

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS	WELL LOG	ELECTRIC LOGS <input checked="" type="checkbox"/>	FIL	WATER SANDS	LOCATION INSPECTED	L	SUB REPORT abd
870225 chg of opn eff 12-31-80: 930713 Enron C&G to Bishop Petro. eff. 7-1-92: 931207 Bishop Petro. to Berry Ventures Inc. eff. 7-15-93:							

DATE FILED			
LAND: FEE & PATENTED	STATE LEASE NO	PUBLIC LEASE NO	U-0144869
INDIAN			
DRILLING APPROVED	9-3-80 ON		
SPUDDED IN	2-4-81, 2-7-81 RT.		
COMPLETED	3-20-81	P. ow	PUT TO PRODUCING 3-20-81
INITIAL PRODUCTION	35 BOPD, 420 MCF		
GRAVITY API	35.6 @ 60		
GOR	1114 cf/bbl		
PRODUCING ZONES	4845-52"		
TOTAL DEPTH	5070'		
WELL ELEVATION	4883' GL		
DATE ABANDONED			
FIELD	NATURAL BUTTES		
UNIT	NATURAL BUTTES		
COUNTY	UINTAH		
WELL NO.	NATURAL DUCK 11-21 GR		API NO. 43-047-30770
LOCATION	542'	FT FROM (N) XX LINE	1976'
		FT FROM (X) (W) LINE	NE NW
			1 4 - 1 4 SEC 21

TWP	RGE	SEC	OPERATOR	TWP	RGE	SEC	OPERATOR
9S	20E	21	Berry Ventures Inc.				

GEOLOGIC TOPS:

QUATERNARY	Star Point	Chinle	Molas
Alluvium	Wahweap	Shinarump	Manning Canyon
Lake beds	Masuk	Moenkopi	Mississippian
Pleistocene	Colorado	Sinbad	Humburg
Lake beds	Sego	PERMIAN	Brazer
TERTIARY	Buck Tongue	Kaibab	Pilot Shale
Pliocene	Castlegate	Coconino	Madison
Salt Lake	Mancos	Cutler	Leadville
Oligocene	Upper	Hoskinnini	Redwall
Norwood	Middle	DeChelly	DEVONIAN
Eocene	Lower	White Rim	Upper
Duchesne River	Emery	Organ Rock	Middle
Uinta	Blue Gate	Cedar Mesa	Lower
Bridger	Ferron	Halgate Tongue	Ouray
Green River	Frontier	Phosphoria	Elbert
	Dakota	Park City	McCracken
	Burro Canyon	Rico (Groatridge)	Aneth
	Cedar Mountain	Supai	Simonsen Dolomite
	Buckhorn	Wolfcamp	Sevy Dolomite
	JURASSIC	CARBON I FEROUS	North Point
Wasatch	Morrison	Pennsylvanian	SILURIAN
Stone Cabin	Salt Wash	Oquirrh	Laketown Dolomite
Colton	San Rafael Gr.	Weber	ORDOVICIAN
Flagstaff	Summerville	Morgan	Eureka Quartzite
North Horn	Bluff Sandstone	Hermosa	Pogonip Limestone
Almy	Curtis		CAMBRIAN
Paleocene	Entrada	Pardox	Lynch
Current Creek	Moab Tongue	Ismay	Bowman
North Horn	Carmel	Desert Creek	Tapeats
CRETACEOUS	Glen Canyon Gr.	Akai	Ophir
Montana	Navajo	Barker Creek	Tintic
Mesaverde	Kayenta		PRE - CAMBRIAN
Price River	Wingate	Cane Creek	
Blackhawk	TRIASSIC		

DUPLICATESUBMIT IN **DUPLICATE**
(Other instructions on
reverse side)Form approved.
Budget Bureau No. 42-R1425.UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

BELCO PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR

P. O. BOX X, VERNAL, UTAH 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

542' FNL & 1976' FWL (NE NW)

At proposed prod. zone

SAME

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approx. 7 miles South of Ouray, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

16. NO. OF ACRES IN LEASE

19. PROPOSED DEPTH

5283'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40 acres

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4883' Natural Ground Level

22. APPROX. DATE WORK WILL START*

11-25-80

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13"	9 5/8"	36.0# K-55	200'	200 sx "C" cement
7 7/8"	5 1/2"	15.5# K-55	5283'	Sufficient to fill up to 200' above uppermost hydrocarbon zone

NEED TO SET CEMENT TO
PROTECT THE OIL SHALE

1. Surface formation: Uinta
2. Est. Log Tops: Green River 1816'
3. Anticipate water throughout the Uinta, oil through the Green River formation.
4. Casing design: New casing as described above, surface casing will be set w/air driller.
5. Min. BOP: 10", 3000 PSI hydraulic doublegate BOP. Will test to 1000 PSI prior to drilling surface plug and on each trip for bit.
6. Mud program: A water-based, gel chemical mud, weighted up to 10.5 ppg will be used to control the well.
7. Aux. Equip: 2" 3000 PSI choke manifold and kill line, kelly cock, stabbing valve and visual mud monitoring.
8. No cores or DST's are anticipated. Will run DIL, CNL, FDC, GR w/caliper, logs.
9. No abnormal problems or pressures are anticipated.
10. Operations will commence approx. 11-25-80 and end approx. 12-6-80.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED J. Ball TITLE DISTRICT ENGINEER DATE 8-22-80
(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

FOR

E. W. GUYNN
DISTRICT ENGINEER

TITLE

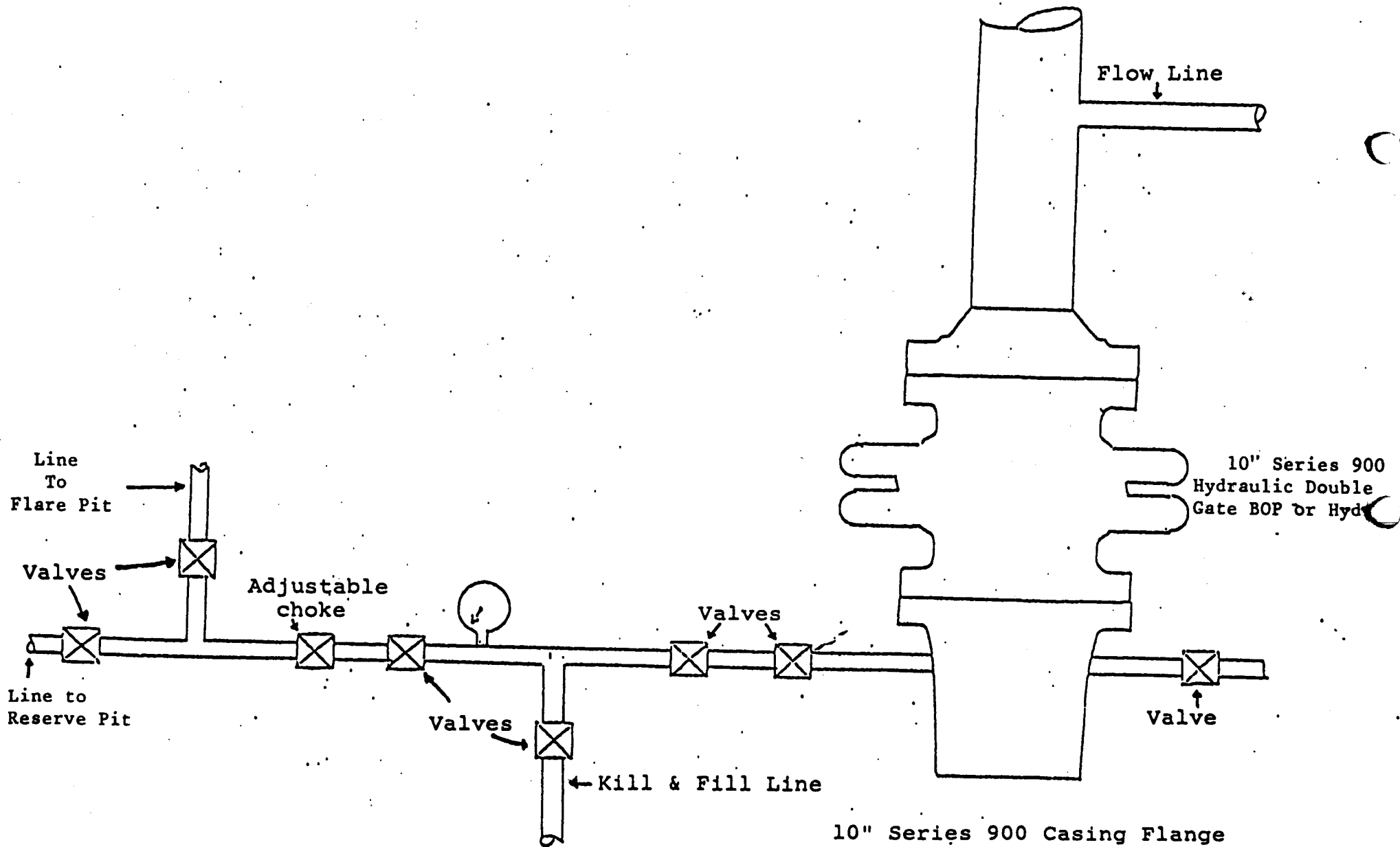
DATE

JAN 15 1981

CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED
TO OPERATOR'S COPYFLARING OR VENTING OF
GAS IS SUBJECT TO NTL 4-A
DATED 1/1/80*See Instructions On Reverse Side
Production Facilities and Flowline NOT Approved



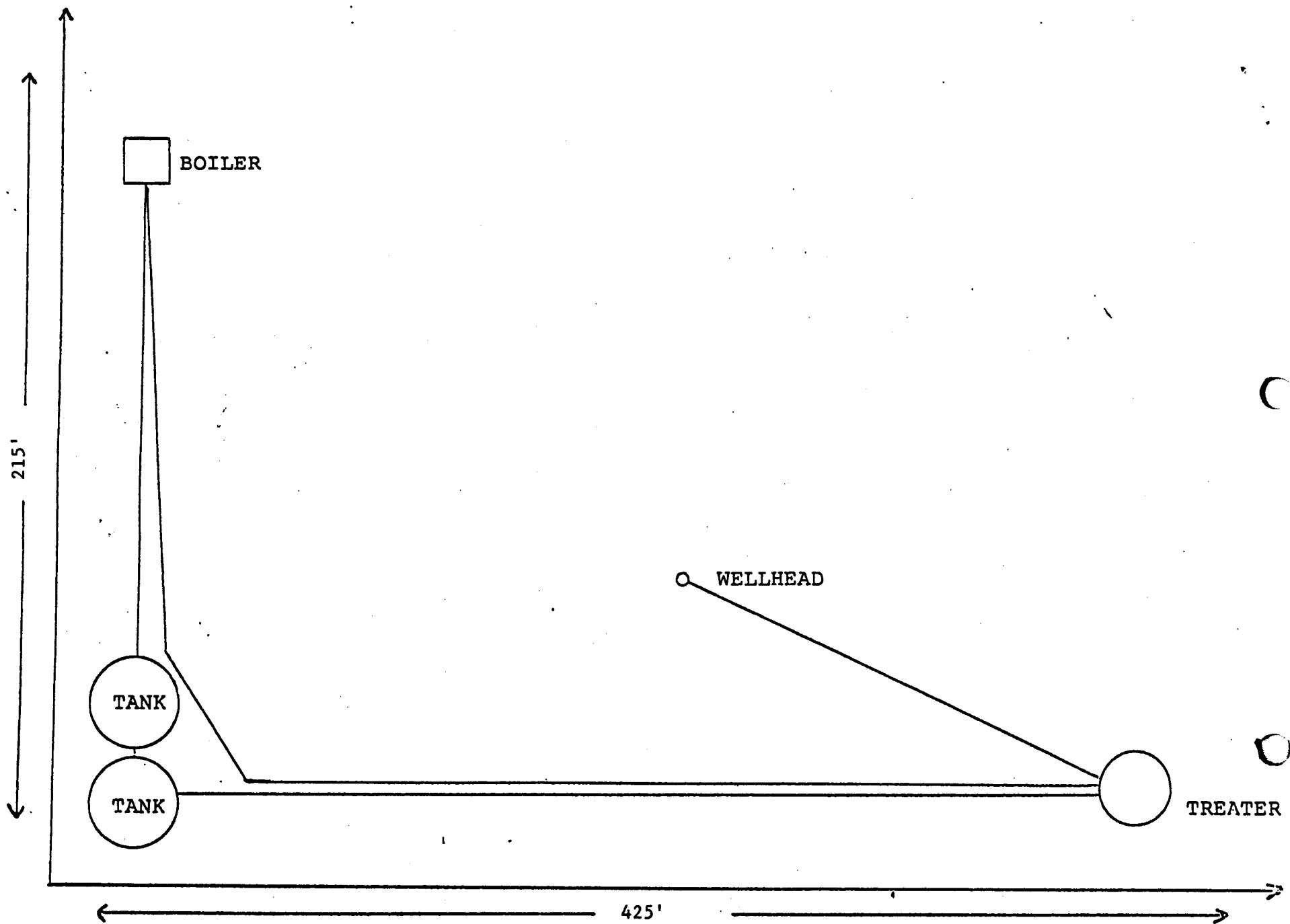
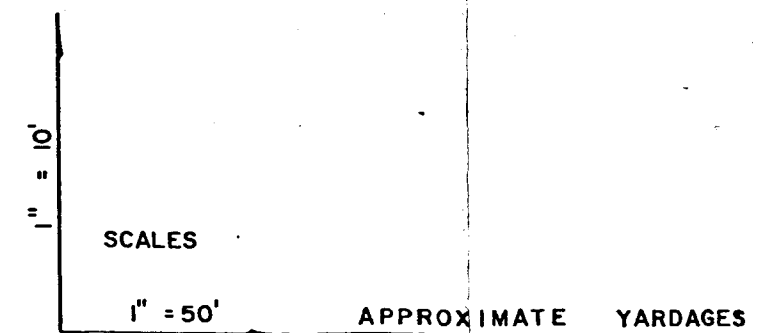
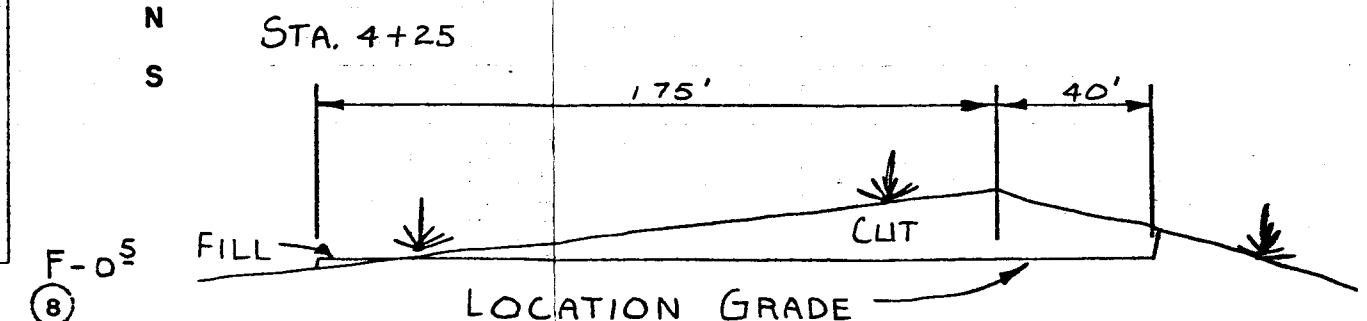
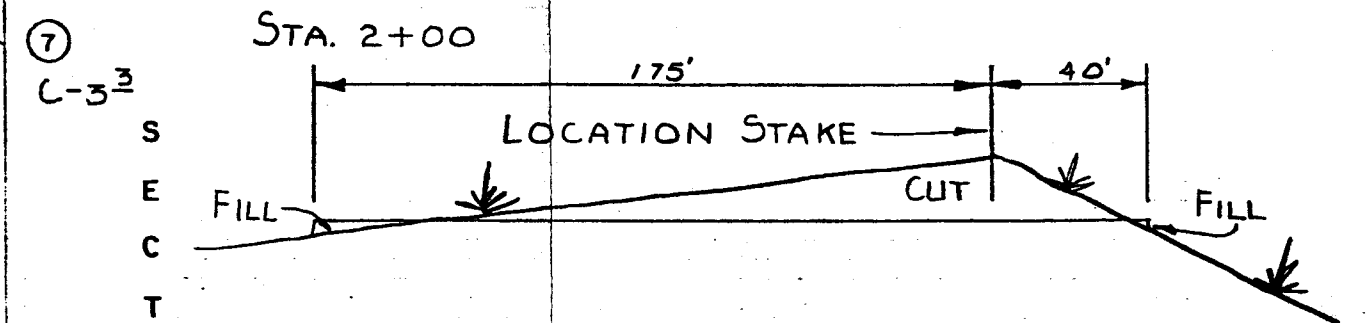
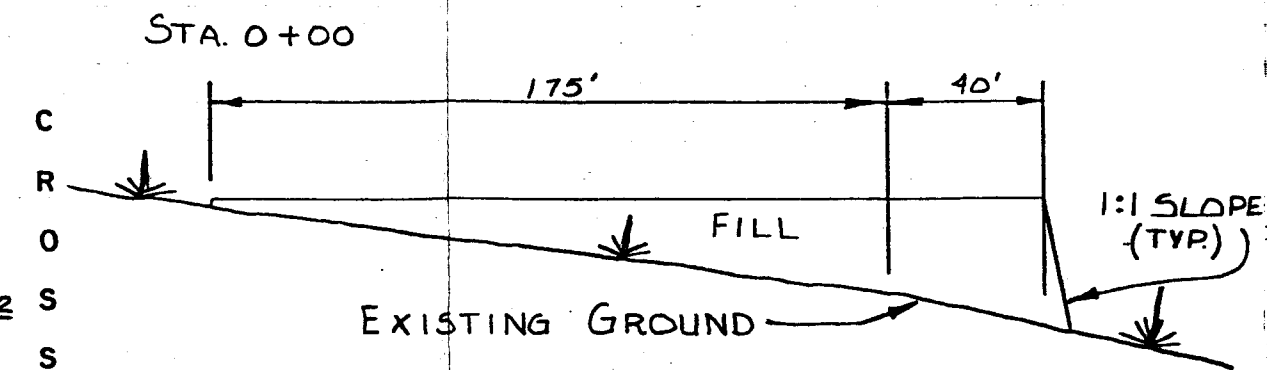
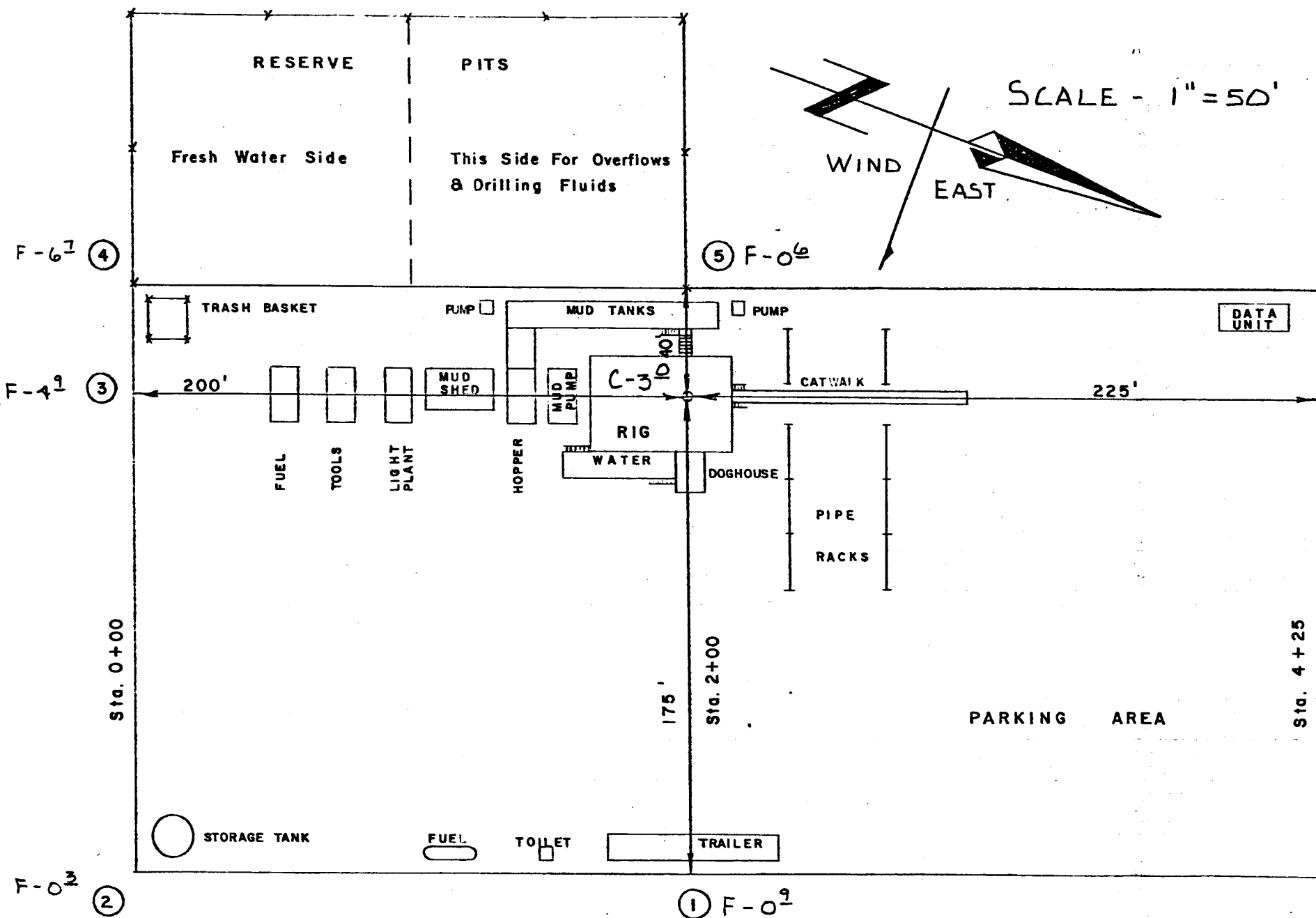


DIAGRAM "A"

PRODUCTION FACILITIES SCHEMATIC

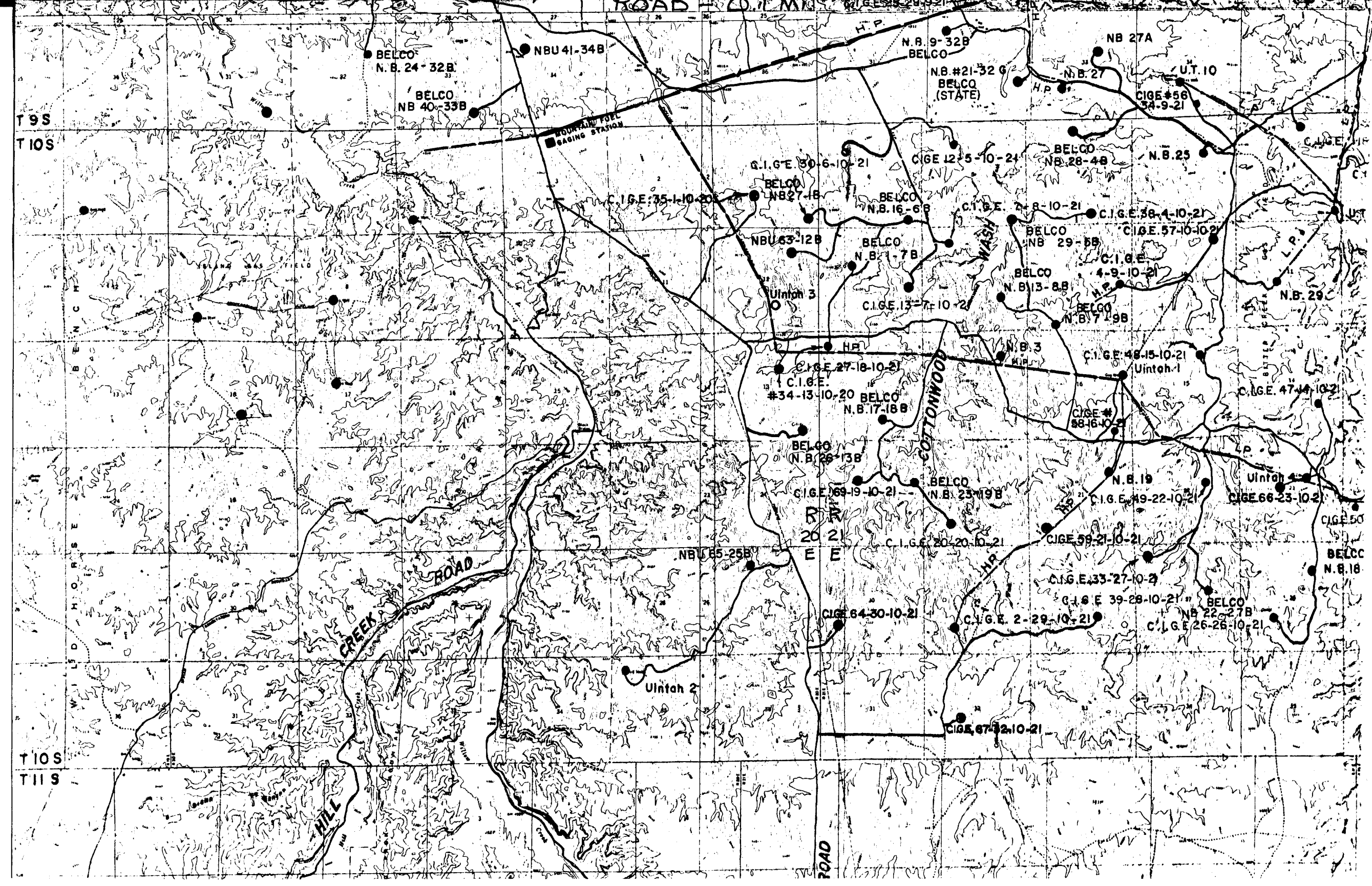
BELCO PETROLEUM CORP.

NATURAL DUCK II-21GR



Cubic Yards Cut - 2,860

Cubic Yards Fill - 2,769



BELCO PETROLEUM CORP.
PROPOSED LOCATION
NATURAL DUCK 11-21 GR

BELCO
S.C. 12

TOPO. MAP "B"

SCALE - 1" = 5000'

ROAD CLASSIFICATION

Light-duty

Unimproved dirt

JN
COOK 1-4



QUADRANGLE LOCATION



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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b. TYPE OF WELL

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WELL ☒GAS
WELL ☐OTHER ☐SINGLE
ZONE ☒MULTIPLE
ZONE ☐

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BELCO PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR

P. O. BOX X, VERNAL, UTAH 84078

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4883' Natural Ground Level

22. APPROX. DATE WORK WILL START*

11-25-80

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PROPOSED CASING AND CEMENTING PROGRAM

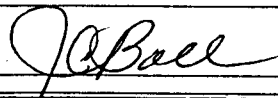
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24.

SIGNED



TITLE DISTRICT ENGINEER

DATE 8-22-80

(This space for Federal or State use only)

PERMIT NO.

APPROVED BY THE DIVISION
OF OIL, GAS, AND MINING

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY

DATE: 9-3-80

BY: 

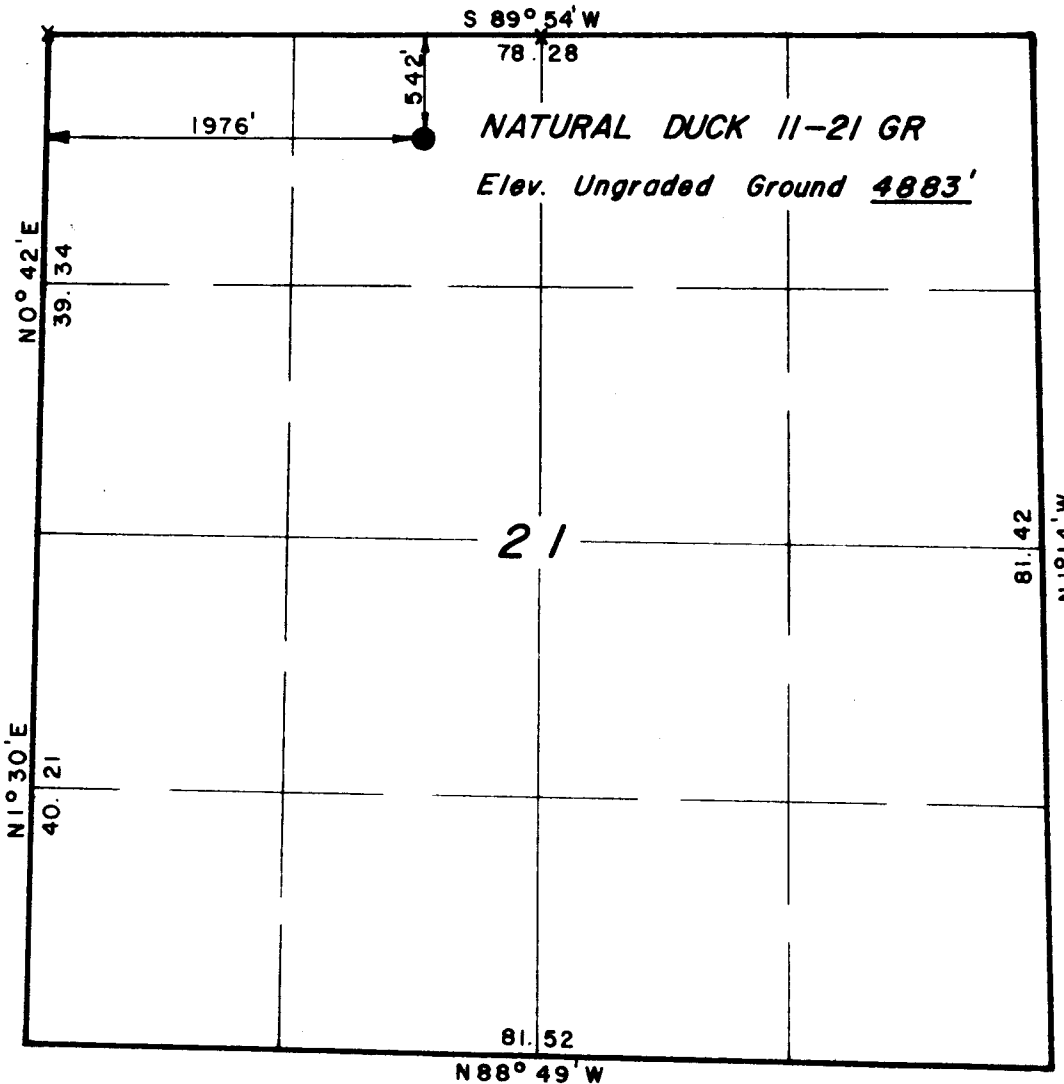
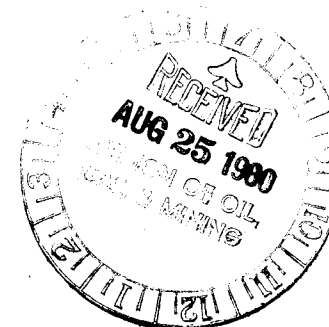
TITLE

DATE

T 9 S, R 20 E, S.L.B. & M.

BELCO PETROLEUM CORP.

Well location, *NATURAL DUCK*
11-21 GR, located as shown in
the NE1/4 NW1/4 Section 21, T9S,
R20E, S.L.B. & M. Uintah County,
Utah.



X = Section Corners Located

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

[Signature]
REGISTERED LAND SURVEYOR
REGISTRATION NO 2454
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P.O. BOX Q - 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

SCALE	1" = 1000'	DATE	8/14/80
PARTY	DA MH DK AC	REFERENCES	GLO Plats
WEATHER	Fair	FILE	BELCO PETROLEUM CORP.

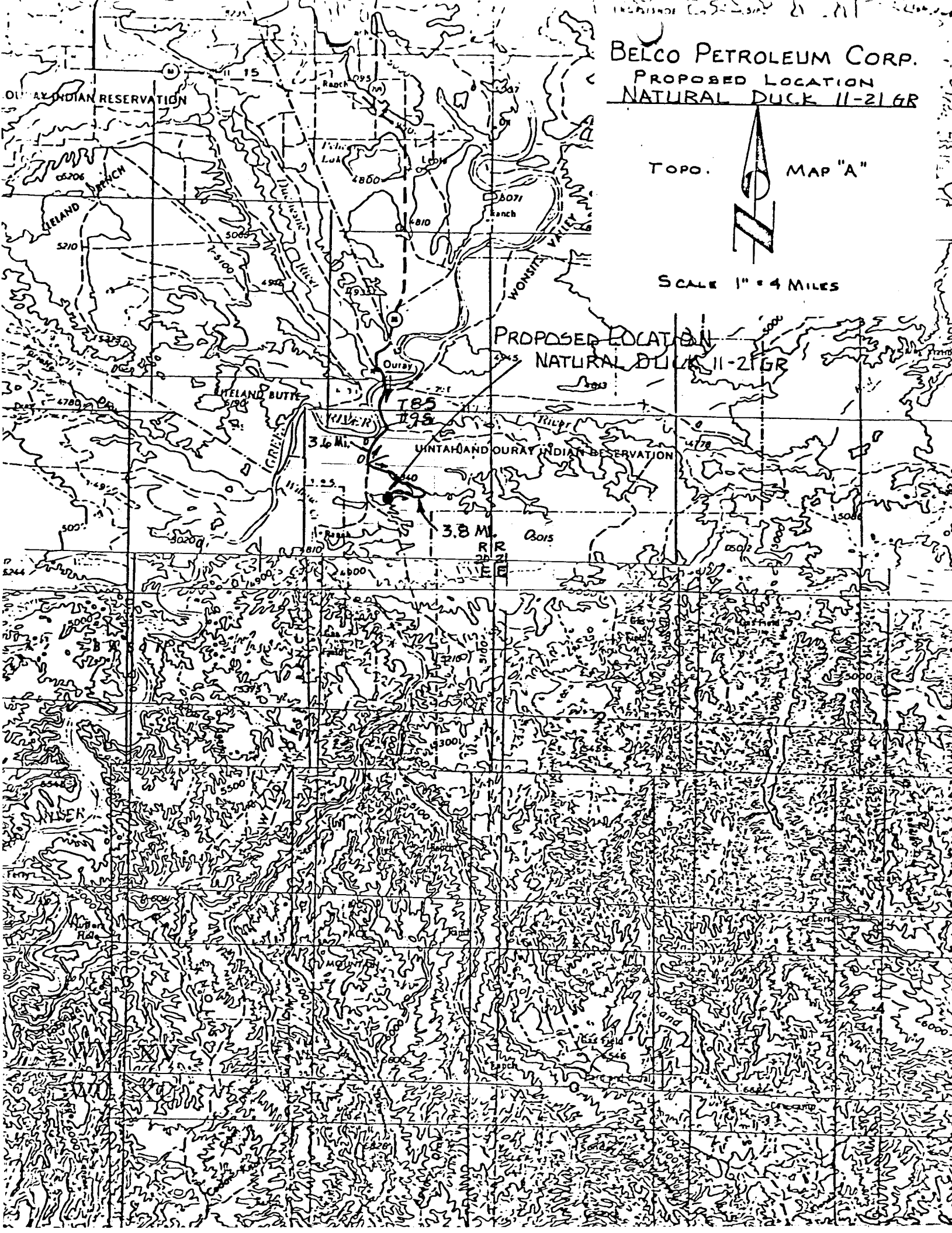
BELCO PETROLEUM CORP.
PROPOSED LOCATION
NATURAL DUCK 11-21GR

TOPO.

MAP "A"



SCALE 1" = 4 MILES



United States Department of the Interior
Geological Survey
2000 Administration Bldg.
1745 West 1700 South
Salt Lake City, Utah 84104

NEPA CATEGORICAL EXCLUSION REVIEW

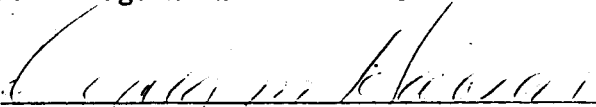
PROJECT IDENTIFICATIONOperator Belco Petroleum CorporationProject Type Oil Well in the Natural Buttes Development FieldProject Location 542' FNL & 1976' FWL - Sec. 21, T. 9S, R. 20EWell No. 11-21 GR Lease No. U-0144869Date Project Submitted August 22, 1980FIELD INSPECTIONDate September 24, 1980Field Inspection
ParticipantsCraig HansenUSGS - VernalDale HanburgBIA - Ft. DuchesneRick SchatzBelco PetroleumBud PeaseDirt Contractor

Related Environmental Documents: _____

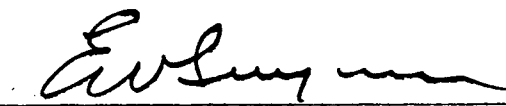
I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

September 30, 1980

Date Prepared


Environmental Scientist

I concur

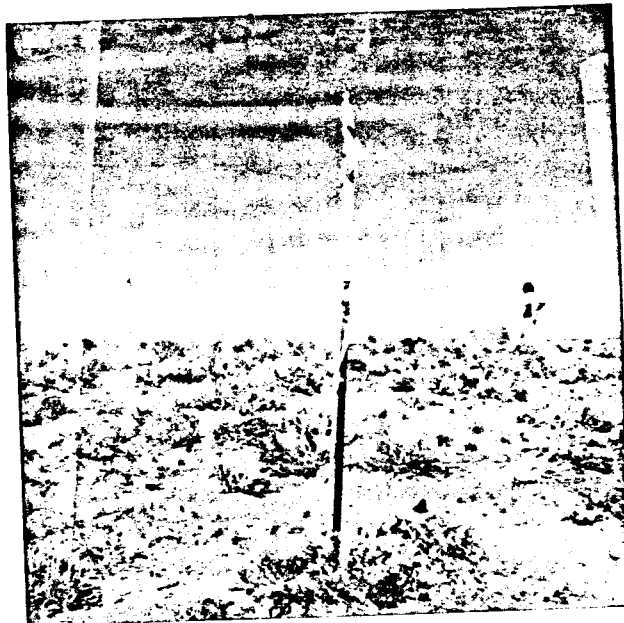
10/9/80
Date
District SupervisorTyping In October 6, 1980 Typing Out October 6, 1980

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria 516 DM 2.3.A	Federal/State Agency			Local and private corre- spondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
	Corre- spondence (date)	Phone check (date)	Meeting (date)						
Public health and safety	9-30-80 BIA	9-30-80 BIA						9-24-80 1, 2, 6	
Unique charac- teristics								1, 2, 6	
Environmentally controversial							2	1, 2, 6	
Uncertain and unknown risks							2	1, 2, 6	
Establishes precedents							2	1, 2, 6	
Cumulatively significant							2	1, 2, 6	
National Register historic places	/							1, 2, 6	
Endangered/ threatened species	/							1, 2, 6	
Violate Federal, State, local, tribal law	/						2	1, 2, 6	

CATEGORICAL EXCLUSION REVIEW COMMON REFERENCE LEGEND

1. Surface Management Agency Input
2. Reviews Reports, or information received from Geological Survey
(Conservation Division, Geological Division, Water Resource Division,
Topographic Division)
3. Lease Stipulations/Terms
4. Application Permit to Drill
5. Operator Correspondence
6. Field Observation
7. Private Rehabilitation Agreement



*Belco #11-21
Looking north.*

RECOMMENDED STIPULATIONS FOR BELCO #11-21 GR:

1. Paint production facilities a color to blend in with the natural surroundings.
2. Tank batteries will be located on the proposed location.

STIPULATIONS FOR LANDS IN OIL SHALE WITHDRAWAL,
EXECUTIVE ORDER 5327 OF APRIL 15, 1930

The lessee under the above oil and gas lease hereby agrees that the following agreement and stipulations are by this reference incorporated as terms and conditions of said lease as to the following lands:

☒ All the lands in the lease.

☐

The lessee agrees that:

1. No wells will be drilled for oil or gas except upon approval of the Area Oil and Gas Supervisor of the Geological Survey, it being understood that drilling will be permitted only in the event that it is established to the satisfaction of the Supervisor that such drilling will not interfere with the mining and recovery of oil shale deposits or the extraction of shale oil by in situ methods or that the interest of the United States would best be served thereby.
2. No wells will be drilled for oil or gas at a location which, in the opinion of the Area Oil and Gas Supervisor of the Geological Survey, would result in undue waste of oil shale deposits or constitute a hazard to or unduly interfere with mining or other operations being conducted for the mining and recovery of oil shale deposits or the extraction of shale oil by in situ methods.
3. When it is determined by the Area Oil and Gas Supervisor of the Geological Survey that unitization is necessary for orderly oil and gas development and proper protection of oil shale deposits, no well shall be drilled for oil or gas except pursuant to an approved unit plan.
4. The drilling or the abandonment of any well on this lease shall be done in accordance with applicable oil and gas operating regulations including such requirements as the Area Oil and Gas Supervisor of the Geological Survey may prescribe as necessary to prevent the infiltration of oil, gas or water into formations containing oil shale deposits or into mines or workings being utilized in the extraction of such deposits.

NEGATIVE DECLARATION

APPROVAL BY SECRETARY OF THE INTERIOR OF Application for permit
to drill and oil well XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX,
TO Belco Petroleum Corp., XXXXXXXXXX COVERING THE FOLLOWING
DESCRIBED TRUST INDIAN LANDS IN Uintah COUNTY, STATE OF UTAH.

LEGAL DESCRIPTION:

NE $\frac{1}{4}$ NW $\frac{1}{4}$., Sec. 21, T9S., R20E., SLB&M.
Approximately 4 miles south of Ouray, Utah.

OWNERSHIP

☒ Surface Ute Tribe

☒ Sub-Surface Non-Indian

IT HAS BEEN DETERMINED AFTER REVIEW OF THE ACCOMPANYING ENVIRONMENTAL ANALYSIS,
THAT THE APPROVAL OF THIS application IS NOT SUCH A MAJOR FEDERAL ACTION
SIGNIFICANTLY AFFECTING THE QUALITY OF THE HUMAN ENVIRONMENT AS TO REQUIRE THE
PREPARATION OF AN ENVIRONMENTAL IMPACT STATEMENT UNDER SECTION 102 (2) (c) OF
THE NATIONAL ENVIRONMENTAL POLICY ACTION OF 1969 (42 U.S.C. § 4332 (2) (c)).

9-30-80

DATE

Lenny J. Rich
SUPERINTENDENT

FY: '80-92

LEASE NO. U-0144869

WELL NO. 11-21GR

DINTAR AND OURAY AGENCY
ENVIRONMENTAL IMPACT ANALYSIS

1. PROPOSED ACTION: Belco Petroleum Corp. proposes to drill an gas well (11-21GR) to, a proposed depth of 5283 feet; to construct approximately 0.4 (~~XXX~~, miles) of new access road; and upgrade approximately 0 (feet, miles) of existing access road.
2. LOCATION AND NATURAL SETTING: The proposed wellsite is located approximately 4 miles South of Ouray, Utah in the NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 21 T. 9S, R. 20E., SLB& meridian. This area is used for livestock grazing and wildlife habitat.
The topography is rolling hills.
The vegetation consist of spiny horse brush, shadscale, tumble weed, galletta grass, rabbit bush.
Wildlife habitat for: X Deer X Antelope Elk Bear X Small Mammals X Birds Endangered species Other Insects & reptiles.
3. EFFECTS ON ENVIRONMENT BY PROPOSED ACTION:
 - A. Vegetation will be destroyed on well site and road.
 - B. Exhaust emissions and dust will affect air quality.
 - C. Scenic quality will be affected.
4. ALTERNATIVES TO THE PROPOSED ACTION: None
5. ADVERSE EFFECTS THAT CANNOT BE AVOIDED:
None of the adverse affects listed in item #3 above can be avoided in a practical manner.
6. DETERMINATION: This request action ~~XXXXX~~ (does not) constitute a major Federal action significantly affecting the quality of the human environment as to require the preparation of an environmental impact statement under Section 102 (2)(c) of the National Environmental Policy Act of 1969 (42 U.S.C. s 4332 (2)(c)).

REPRESENTATIVE:

Cody Hansen - USGS
Joe Pinnecoose - Ute Tribe
Ed Kurip - Meijji
Rick Schatz - Belco

COPY TO:

USGS, P.O. BOX 1037, Vernal, Utah 84078

USGS, Dist, Engr., Cons. Div., 8426 Federal Building., Salt Lake City, Utah 84138

Dale A. Haulberg 9-30-80
BIA Representative Date

Lease #. U-0144869

Well #. 11-21GR

Memorandum

To: USGS District Engineer

From: Surface Managing Agency

Subject: Belco Petroleum Corpwell 11-21GR

in the NE $\frac{1}{4}$ NW $\frac{1}{4}$., T9S., R20E., SLB&M.

We (concur with or, recommend) approval of the Application for Permit to Drill the subject well.

Based on available information on 9-24-80, we have cleared the proposed location in the following areas of environmental impact:

Yes X No Listed threatened or endangered species

Yes X No Critical wildlife habitat

Yes X No Historical or cultural resources

Yes X No Air quality aspects (to be used only if project is in
or adjacent to a Class I area of attainment)

Yes X No Other (if necessary)

Remarks: _____

The necessary surface protection and rehabilitation requirements are enclosed.



Enclosure

SURFACE USE AND OPERATING PLAN

WELL NAME:

NATURAL DUCK 11-21GR

LOCATION:

542' FNL & 1976' FWL (NE NW)
SECTION 21, T9S, R20E
UINTAH COUNTY, UTAH

1. EXISTING ROADS:

- A. Proposed Wellsite: See attached Survey Plat.
- B. Route and distance from locatable reference: See Attached Map B. Existing road colored blue. This location is approximately 7 miles South of Ouray Utah, (by road).
- C. Access Road: See attached Map B. Access road to be upgraded or newly constructed colored yellow.
- D. Not applicable.
- E. See attached Map B.
- F. If production is obtained, road will be improved to the standards of a permanent road and maintained in a passable condition.

2. PLANNED ACCESS ROADS:

- A. Width: Total disturbed area will be a maximum of 32' except where necessitated by fills or backslopes.
- B. Maximum Grade: 4%.
- C. Turnouts: No turnouts will be required.
- D. Drainage Design: Roads will be crowned with drainage ditches where required.
- E. Location of culverts and Major Cuts or Fills: Not applicable.
- F. Surfacing Material: All roads will be dirt surfaced.
- G. Gates, Cattleguards or Fence Cuts: Not applicable.
- H. All new or upgraded roads have been centerline staked.

3. LOCATION OF EXISTING WELLS: See attached Map B.

4. LOCATION OF EXISTING OR PROPOSED PRODUCTION FACILITIES:

- A. The only existing production facilities owned or controlled by Belco Petroleum Corporation within a one mile radius of this location are production units and tanks, (if applicable). These facilities are situated on the location pads of the existing wells. See attached Map B.
- B. Proposed Facilities:
 - 1. All production facilities will be located on the location pad.
 - 2. See Diagram A.
 - 3. See Diagram A.
 - 4. Guard rails will be installed around pumping units. Pits will be fenced and overhead flagged as necessary.
- C. Plan for rehabilitation of disturbed area: Stockpiled topsoil will be spread over any area not required for production operations of the well. At the time production operations cease, the entire area and road will be returned as near as possible to it's original conditon and reseeded in accordance with BIA specifications.

5. LOCATION AND TYPE OF WATER SUPPLY:

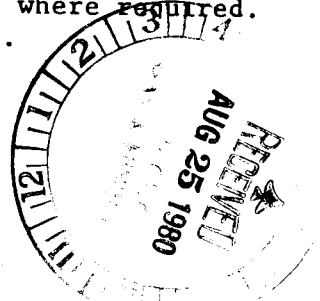
- A. Water for this operation will be obtained from the WHITE RIVER.
- B. Water will be transported to the location by truck. Water hauler will be Liquid Transport. PSC # 1969.
- C. No water well is to be drilled on this lease at this time.

6. SOURCE OF CONSTRUCTION MATERIALS:

- A. All materials will be obtained from the access road and location.
- B. All lands involved are owned or controlled by the BIA.
- C. All materials will be obtained from the road and location, and will be used on the same.
- D. See Topo Map B.

7. METHODS OF HANDLING WASTE DISPOSAL:

- A. All cuttings, drilling fluids and produced fluids will be contained in the reserve pit.
- B. A chemical toilet will be available on the location.
- C. All trash and foreign wastes will be collected in a trash cage, and removed from the location at the completion of operations.
- D. The location will be properly cleaned at the end of drilling and at the end of completion of operations.

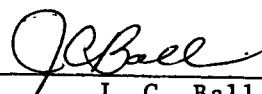


8. ANCILLARY FACILITIES: No camps or airstrips are planned.
9. WELLSITE LAYOUT:
 A.B.C. See attached location layout.
 D. Pits will be lined to conserve water and will be fenced on three sides at the onset of drilling operation. Pit will be fenced on the fourth side at the completion of operations.
10. PLAN FOR RESTORATION OF SURFACE:
 A. Area will be backfilled and contoured as near as possible to it's original condition. All waste materials will be removed, burned or buried.
 B. All rehabilitation and revegetation will take place in accordance with BIA requirments.
 C. At the time of rig release the pits will be completely fenced.
 D. Any oil on pits will be removed or overhead flagged for the protection of livestock and wildlife.
 E. Location will be cleaned as soon as operations cease. All dirt work will commence as soon as pit has dried sufficiently for backfilling. Reseeding will take place within one year of completion of operations.
11. OTHER INFORMATION:
 A. Topography, etc: The area surrounding this location is described as desert terrain, with small hills, gullies and washes and rock outcroppings. Area is sparsely vegetated with sagebrush and native grasses. Wildlife consists of small rodents, birds and reptiles.
 B. Livestock grazing and mineral exploration are the only surface use activities in the area. All lands involved with this location are owned or controlled by the BIA.
 C. There is no water in the immediate vicinity of this location. No occupied dwellings or known archeological or cultural sites are in the area of this location.
12. Belco Petroleum Corporation's representative for this operation will be Mr. John A. Maxfield, P. O. BOX X, Vernal, Utah 84078, telephone number 801-789-0790.
13. CERTIFICATION:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this Plan are to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Belco Development Corporation, It's contractors and sub-contractors in conformity with this Plan and the terms and conditions under which it is approved:

AUGUST 22, 1980

DATE



J. C. Ball

DISTRICT ENGINEER

JCB/ln

ATTACHMENTS:

ADDITIONAL PROVISIONS TO THE SURFACE USE PLAN REQUIRED BY THE BIA.

LOCATION PLAT

LOCATION LAYOUT

BOP DESIGN

DIAGRAM "A"

BUREAU OF INDIAN AFFAIRS
ADDITIONAL PROVISIONS TO THE SURFACE USE AND OPERATING PLAN

WELL NAME: NATURAL DUCK 11-21GR

LOCATION: 542' FNL & 1976' FWL (NE NW)
SECTION 21, T9S, R20E
UINTAH COUNTY, UTAH

1. FIREARMS:

Employees of Belco Petroleum Corporation, it's contractors and sub-contractors have been instructed not to carry firearms on the Uintah and Ouray Indian Reservation.

2. OFF ROAD TRAFFIC:

Employees of Belco Petroleum Corporation, it's contractors and sub-contractors have been instructed to remain only on established roads and well sites.

3. FIREWOOD:

Employees of Belco Petroleum Corporation, it's contractors and sub-contractors have been notified of the requirements of the Bureau of Indian Affairs to obtain a wood permit from the Forestry Section before gathering any wood on the Uintah and Ouray Indian Reservation.

4. RESTORATION:

All topsoil will be stripped and stockpiled. When all drilling and production activities end or if abandonment is required, the location site and access road will be reshaped to the original contour and stockpiled topsoil spread over the disturbed area. Any drainages re-routed during the construction activities shall be restored as near as possible to their original line of flow. Restoration activities shall begin when the pit is sufficiently dry. Once activities have been completed, the location site and access road shall be reseeded with a seed mixture recommended by the Bureau of Indian Affairs when the moisture content of the soil is adequate for seed germination.

5. DISPOSAL OF PRODUCED WATER:

NO PRODUCED WATER IS ANTICIPATED.

6. SIGNS:

A sign stating the following shall be placed on the access road to the location site:

AUTHORIZED PERSONNEL ONLY
BELCO PETROLEUM CORPORATION
WELL SITE
FIREARMS ARE PROHIBITED

THIS LAND IS OWNED BY THE UINTAH AND
OURAY INDIAN RESERVATION
PERMITS TO CUT FIREWOOD MUST BE OBTAINED
FROM THE B.I.A. FORESTRY SECTION PRIOR
TO CUTTING OR GATHERING ANY WOOD
ALONG THIS ROAD

7. RIGHTS OF WAYS:

RIGHT-OF-WAY AND DAMAGES WILL BE PAID AS PER RE-SURVEY BY UINTAH ENGINEERING AND THEIR AFFIDAVIT OF COMPLETION.

8. PERMITS FOR WATER OR EARTH FILL:

WATER WILL BE OBTAINED FROM THE WHITE RIVER. PERMIT WILL BE PURCHASED BEFORE DRILLING OPERATIONS COMMENCE.

9. WEED CONTROL:

Belco Petroleum Corporation will initiate a Plan for controlling noxious weeds alongside the location and road in accordance with B.I.A. specifications.

10. LITTER:

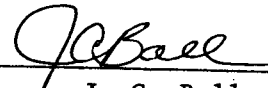
All litter will be contained in a trash cage and removed from the location at the end of drilling and completion activities. The area will be groomed and cleaned before removal of the cage.

11. BENCH MARKS:

A Bench Mark will be established near the well site, set in concrete with a brass cap showing the well number and the elevation of the site.

AUGUST 22, 1980

DATE



J. C. Ball
DISTRICT ENGINEER

September 4, 1980

Balco Petroleum Corporation
P.O. Box X,
Vernal, Utah 84078

RE: Well No. Natural Duck 10-21 G.R., Sec. 21, T. 9S, R. 20E., Uintah County.
Well No. Natural Duck 11-21 G.R., Sec. 21, T. 9S, R. 20E., Uintah County.
Well No. Natural Duck 12-21 G.R., Sec. 21, T. 9S, R. 20E., Uintah County.
Well No. Duck Creek 22-9 G.R., Sec. 9, T. 9S, R. 20E., Uintah County

Insofar as this office is concerned, approval to drill the above referred to oil wells are hereby granted in accordance with Section 40-1-11, Utah Code Annotated 1953; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon these wells, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer
OFFICE: 533-5771
HOME: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API numbers assigned to these wells are Natural Duck 10-21 G.R.: 43-047-30769, Natural Duck 11-21 G.R.: 43-047-30770, Natural Duck 12-21 G.R.: 43-047-30771, Duck Creek 22-9 G.R.: 43-047-30772.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Michael T. Minder
Petroleum Engineer

/bh

cc: USGS

Belco

NOTICE OF SPUD

Caller: Lonnie

Phone: _____

Well Number: Natural Duck 11-21 GR

Location: NENW 21-9S-20E

County: Uintah State: Utah

Lease Number: U-0144869

Lease Expiration Date: _____

Unit Name (If Applicable): _____

Date & Time Spudded: 2-4-81 9:30 A.M.

Dry Hole Spudder/Rotary: Ram Drilling

Details of Spud (Hole, Casing, Cement, etc.) 12 1/4" to 196'

ran 5 jts of 9 5/8" 36# new K55 csg. landed
@ 190' GL cmt to surf w/ 200 sxs class G

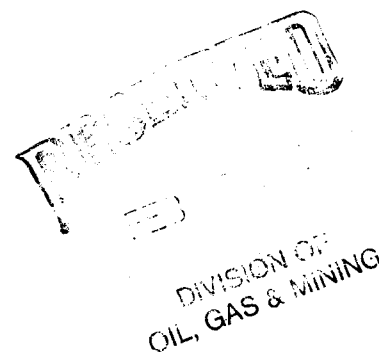
Rotary Rig Name & Number: Rig Jacobs #2

Approximate Date Rotary Moves In: 2-7-81

FOLLOW WITH SUNDRY NOTICE

Call Received By: K.R.

Date: 2-6-81



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ well ☒ gas well ☐ other ☐

2. NAME OF OPERATOR
BELCO PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR
P. O. BOX X, VERNAL, UTAH 84078

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 542' FNL & 1976' FWL NE/NW
AT TOP PROD. INTERVAL: N/A
AT TOTAL DEPTH: N/A

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON* <input type="checkbox"/>			<input type="checkbox"/>
(other) NOTICE OF SPUD			

5. LEASE
U-0144869

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
UTE TRIBE * SURFACE

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
NATURAL DUCK

9. WELL NO.
11-21GR

10. FIELD OR WILDCAT NAME
NATURAL DUCK

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SECTION 21, T9S, R20E

12. COUNTY OR PARISH
UINTAH

13. STATE
UTAH

14. API NO.
43-047-30770

15. ELEVATIONS (SHOW DF, KDB, AND WD)
4883' Natural GL

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

DATE & TIME SPURRED: 9:30 a.m. 2-4-81
DRY HOLE SPUDDER: Ram Drilling
ROTARY RIG: Jacobs Rig #2

Drld a 12 1/4" hole to 196', ran 5 jts 9 5/8" 36#, new K-55 casing, landed @ 190' GL, cemented to surface w/200 sx class "G" cement.

Rotary rig will move in approximately 2-7-81.

Notice of spud. called to Kim with USGS/SLC 2-6-81.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Lornie Nelson TITLE Engineering Cl. DATE 2-6-81

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

FEB 8 1981
DIVISION OF
OIL, GAS & MINING

2

BELCO DEVELOPMENT CORPORATION
DAILY DRILLING REPORT
Friday, February 6, 1981

VERNAL DISTRICT

DEVELOPMENT WELLS

CW FED 1-4 (DW-GAS)
Chapita Wells
Uintah County, Utah
TD 7148' Wasatch
Chandler & Assoc #1
Belco WI 100%

7148' (0') 32. Rigging down.
Cmt 1st stage w/1100 sx 50-50 w/2% gel, 10% salt.
Displace cmt w/96.5 bbls, bumped plug 2000/1000, float
Open stage collar, circ bottom up. No cement. held.
WOC 4 hrs. Cmt 2nd stage w/1200 sx 50-50 w/4% gel,
10% salt. Bumped plug w/ 2500/1300.
Plug held, good returns throughout job. Finish
job @ 1:40 p.m. Set slips w/40,000# tension.
Cut off casing @ 3:00 p.m. Clean pits & location.
Rig released @ 6:00 p.m., February 5, 1981.
Left fish in hole: 8 3/4" bit, 9-6 1/4 DC's,
Bumper sub, jars, 3-6 1/4 DC's, top of fish @ 6622'.
CASING DETAIL: 172 jt 4 1/2 11.6# K-55 Nkk LT&C new csg.
HOWCO Guide Shoe 1.00
Shoe Joint 10.00
Float Collar 1.20
68 Jts 4 1/2" csg 2607.80
HOWCO Stage Collar 3.40
104 Jts 4 1/2" csg 3994.24
Landed @ 6617.64
Stage Collar @ 4094.00

Scratchers 16
6592'-6490'

Centralizers 12
6618'-6580'
6540'-6500'
6464'-6423'
6310'-6272'
6170'-6131'
4056'-4132'

AFE (csg pt) \$332,000
Cost (csg pt) \$452,744
Mud cost \$43,640
CUM cost \$528,545

DC 41-8GR (DW-OIL)
Duck Creek Field
Uintah County, Utah
TO 5090' Green River
Jacobs Rig #2
Belco WI 100%

5190' (0') 12. Rig released
POH & LDDP & 2 DC, 4 hrs. RU csg crew @ run 130 jts
5 1/2", 17# NKK-K55, LT&C csg, 5 hrs. Circ csg 1 hr.
HOWCO cmtd w/10 bbls NaCl wtr followed by 455 sx
4% gel, 10% NaCl 50-50 poz-mix. & 440 sx 2% gel,
10% NaCl 50-50. bumped plug w/2600/1500 @ 6:50 pm,
February 5, 1981, 1 1/2 hrs. Nipple down BOP's, set
slips w/35000# tension, 2 hrs. Clean pits & loc,
1 1/2 hrs. Rig released @ 11:00 p.m., 2-5-81.
Drillers TD 5180' SLM 5184' Schlumberger 5190'
CASING DETAIL:

HOWCO Guide Shoe	1.00
Shoe Joint	10.00
HOWCO Float Collar	2.70
43 Jts 5 1/2" csg	1706.60
Pup Joint	18.00
87 Jts 5 1/2" csg	3456.54
TOTAL	5194.84
Less above KB	4.84
Casing landed @	5190.00'
PBTD	5176.00'
Pup @	3442.00'

FORMATION TOPS:

Uintah	
Green River	1910'
H	3517'
J	4232'
M	4906'
M-2	4954'
M-6	4996'
M-8	5038'

B. Leo

DC 41-8GR	(cont)	Productive Zones	Gross/Net	SW%	Gas
		4996'-5018'	22/5	54%	225/150
		5038'-5051'	13/6	37%	250/200
		5062'-5083'	21/9	40%	250/150
		5098'-5134'	36/7	52%	250/200
		<u>40 Scratchers</u>			<u>12 Centralizers</u>
		4984'-5147'			1620' 3876'
					2014' 4194'
					2407' 4433'
					2810' 4710'
					3204' 4948'
					3408' 5184'
					(6' above Shoe)
		Mud cost	\$14,300		
		AFE (csg pt)	\$194,000		
		Cost to csg pt	\$150,508		
		CUM cost	\$230,208		

ND 11-21GR (DW-OIL)
Natural Duck Field
Uintah County, Utah
TD 5070' Green River
Jacobs Rig #2
Belco WI 100%

LOCATION: Section 21, T9S, R20E
542' FNL & 1976' FWL (NE NW)
Uintah County, Utah
CONTRACTOR: Jacobs Drilling Co, Rig #2
ELEVATION: 4883' Nat GL
OBJECTIVE: Green River

Ram Drilling Service drld 196' of 12¼" hole.
Ran 5 jts 9 5/8" 36# ST&C new K-55 csg to 190' GL.
HOWCO cmted w/200 sx class "G" cmt w/2% CaCl₂.
Bumped plug w/200/80 @ 5:30 p.m., 2-4-81.

CASING DETAIL:

Float Shoe	1.90
Shoe Joint	38.32
Baffle Plate	--
4 Jts 9 5/8" csg	152.90
TOTAL	193.12
Less above GL	3.12
Casing landed @	190.00' GL
PBTD	150.00'

CUM cost \$30,000

W. O. C. U.

NATURAL DUCK 10-21GR
DUCK CREEK 10-16GR

COMPLETIONS

DC 20-9GR (DW-OIL)
Duck Creek Field
Uintah County, Utah
PBTD 5071' Green River
MR Well Service
Belco WI 100%

Report #20.
Circ well, kill well w/50 bbls KCL. TIH w/HOWCO
5½" BP Packer & 2 7/8" tbq, set BP @ 4890', set
pkr @ 4797' w/14,000 tension, well flowing 12 bbls
95% wtr 5% oil in 14 hrs, 32/64 ch, TP-75, CP-pkr,
259 MCF, 20 psi. SDFN.
This a.m.: Testing well.
AFE (comp) \$489,000
CUM cost \$329,722

DC 17-16GR (DW-OIL)
Duck Creek Field
Uintah County, Utah
5066' PBTD (GR)
Utah Well Service
Belco WI 100%

Report #15.
Rig Down and move the ND 10-21GR.
CUM cost \$365,009
AFE (Comp) \$488,000

3

Belco

CW 49-25 (DW-GAS)
Chapita Wells Unit
Uintah County, Utah
7457' PBTD (Wasatch)
Utah Well Service
Belco WI 100%

Report #8.
Swabbed 5 bbls in 1 hr. Reset pkr @ 7195', RU
Dowell. Broke down 7229', 7415' (16 holes), rate
5 BPM, dropped 32 balls, good ball action & balled
out. Fm broke @ 4200#, avg psi 3700#, total fluid
47 bbls. Reset tools, BP @ 7195', pkr @ 6930', perfs
6969'-7161' (16 holes). Rate 5 BPM. Dropped 32
balls, good ball action, balled out. Fm broke @
4000#, avg psi 3700#, total fluid used 70 bbls.
Reset tools @ BP 6930', pkr @ 6847', perfs 6880-6902'
(8 holes). Rate 4 BPM. FM broke @ 3300#, avg psi
3300#. Total fluid 20 bbls. All fluid used was
5% KCL w/1 gal per 1000 gal DOWELL L-53. chl-23,000.
Start 10 am, finish @ 3 pm. Dowell cost \$2500
Reset BP 7440', pkr @ 6847'. Swabbed 20 bbls in
1 hr, well kicked off. Left well open on 25/64 ch
overnight. BLR 40 BLTR 99 chl-22,000 blow med to hvy ms
This a.m.: TP-75, CP-pkr, ch 24/64, pitot 500 MCF.
AFE (Comp) \$595,000
CUM cost \$399,859

WORKOVERS

STGU 10-23 (DW-OIL)
Stagecoach Unit
Uintah County, Utah
5126' PBTD (GR)
Utah Well Service
Belco WI 50%

Report #3.
Flush down tbg w/40 bbls hot lease wtr, TIH w/
pump & rods. Hung well on, started pumping @ 1:00 pm,
February 5, 1981. Rig released.
This a.m.: Well PUmPping.
ROD DETAIL:

75	3/4" Rods
67	7/8" Rods
57	1" Rods
	1½ x 22 Polish Rod

CUM cost \$6,000

ND 3-15GR (DW-OIL)
Natural Duck Field
Uintah County, Utah
5125' PBTD (GR)
Utah Well Service
Belco WI 100%

Report #1
MIRU. SDFN.
This a.m.: Change out pump.
CUM cost \$181.50

OUTSIDE OPERATED

LOVE UNIT A1-18
Natural Buttes Area
Uintah County, Utah

2-4-81
29 MCF, 0 BC, 4 BW in 24 hrs, TP-690, 20 ch.

2-5-81
29 MCF, 0 BC, 5 BW in 24 hrs, TP-740, 20 ch.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☒ gas well ☐ other ☐
2. NAME OF OPERATOR
BELCO DEVELOPMENT CORPORATION
3. ADDRESS OF OPERATOR
P.O. BOX X, VERNAL, UTAH 84078
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 542' FNL & 1976' FWL NE/NW
AT TOP PROD. INTERVAL: N/A
AT TOTAL DEPTH: N/A
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) ☐ WELL STATUS

☐
☐
☐
☐
☐
☐
☐
☐
☐

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and logs pertinent to this work.)*

STATUS 2-28-81: WAITING ON COMPLETION UNIT

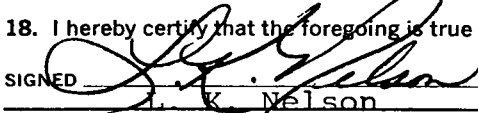
Jacobs Rig #2 MI & RU 2-7-81 Drld an 8 3/4" hole from 196' to TD of 5070'. TD reached 2-21-81. Ran 5 1/2" production casing and landed @ 5070'. Cemented production casing w/1011 sx 50-50 Pozmix. Released rotary rig 2-22-81.

Subsurface Safety Valve: Manu. and Type

Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED



TITLE

Eng. Clerk

DATE

3-3-81

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See instructions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5

3

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other <input type="checkbox"/>				5. LEASE DESIGNATION AND SERIAL NO. U-0144869			
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other <input type="checkbox"/>				6. IF INDIAN, ALLOTTEE OR TRIBE NAME UTE TRIBE * SURFACE			
2. NAME OF OPERATOR BELCO DEVELOPMENT CORPORATION				7. UNIT AGREEMENT NAME			
3. ADDRESS OF OPERATOR P. O. BOX X, VERNAL, UTAH 84078				8. FARM OR LEASE NAME NATURAL DUCK			
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 542' FNL & 1976' FWL NE/NW At top prod. interval reported below SAME At total depth SAME				9. WELL NO. 11-21GR			
14. PERMIT NO. 43-047-30770				DATE ISSUED 9-3-80			
15. DATE SPUNDED 2-4-81				16. DATE T.D. REACHED 2-21-81			
17. DATE COMPL. (Ready to prod.) 3-20-81				18. ELEVATIONS (DF, REB, RT, OR, ETC.)* 4883' GL			
19. ELEV. CASINGHEAD 4885'				20. TOTAL DEPTH, MD & TVD 5070'			
21. PLUG, BACK T.D., MD & TVD 5057'				22. IF MULTIPLE COMPL., HOW MANY* N/A			
23. INTERVALS DRILLED BY ALL				24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* GREEN RIVER 4845-52'			
25. WAS DIRECTIONAL SURVEY MADE NO				26. TYPE ELECTRIC AND OTHER LOGS RUN DLI, CNL, FDC, GR w/caliper			
27. WAS WELL CORED NO				28. CASING RECORD (Report all strings set in well)			
CASING SIZE		WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED	
9 5/8"	36#	190'	12 1/4"	200 sx (to surf)	none		
5 1/2"	17#	5070'	8 3/4"	1011 sx 50-50 Poz.	none		
29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8"	4894'	
31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
4845-47' 6 holes				DEPTH INTERVAL (MD)			AMOUNT AND KIND OF MATERIAL USED
4850-52' 6 holes				4845-52'			11,200 gal tr fluid
TOTAL 12 holes							7000# 20/40 & 4000# 10/20 sd
33.* PRODUCTION							
DATE FIRST PRODUCTION 3-20-81		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 3-24-81	HOURS TESTED 24	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL. 35	GAS—MCF. 420	WATER—BBL. TSTM	GAS-OIL RATIO 1114 cf/bbl
FLOW. TUBING PRESS. 10	CASING PRESSURE 50	CALCULATED 24-HOUR RATE	OIL—BBL. 35	GAS—MCF. 420	WATER—BBL. TSTM	OIL GRAVITY-API (CORR.) 35.6 @ 60°	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented						TEST WITNESSED BY Rick Schatz	
35. LIST OF ATTACHMENTS							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED J.C. Ball		TITLE District Engineer				DATE 3-25-81	

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
				Uinta Green River	Surface 1930'	

Belco Development Corporation

Belco

March 1, 1983

Mr. E. W. Gynn - Oil & Gas Supervisor
Bureau of Land Management
Oil and Gas Operations
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

SUBJECT: NTL-2B EXTENSIONS
Natural Duck and Duck Creek Field.
Uintah County, Utah

Dear Sir,

Attached are the Sundry Notices requesting an extension of the approvals to dispose of produced water into unlined pits on the location pad as per Section IV, number 4 of NTL-2B.

Very truly yours,

Kathy Knutson
Kathy Knutson
Engineering Clerk

/kk
attachments

cc: Denver
Houston
Files

oil, Gas & Mining

MAR 1 1983

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form Approved.
Budget Bureau No. 42-R1424

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☒ gas well ☐ other ☐

2. NAME OF OPERATOR
BELCO DEVELOPMENT CORPORATION

3. ADDRESS OF OPERATOR
P.O. BOX X, VERNAL, UTAH 84078

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: N/A
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐

SUBSEQUENT REPORT OF:

☐
☐
☐
☐
☐
☐
☐
☐
☐
☐

MAR 02 1980

DIVISION OF

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

(other) NTL-2B - REQUEST EXTENSION OF APPROVAL TO DISPOSE OF PRODUCED WATERS INTO UNLINED PITS

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Belco Development Corporation requests extension of NTL-2B approval given wells to dispose of produced waters into unlined pits.

1. Wells produce less than 5 BWPD. Water is produced from the Green River formation.
2. The pits are located on the location pad of the well site.
3. Evaporation rate for the area, compensated for rainfall, is approximately 70 inches per year.
4. Percolation rate for the area is from 2 to 6 inches per hour.
5. Areal extent and depth of waters containing less than 10,000 ppm TDS is unknown.
6. The pit is approximately 20'x20' tapering to 15' Depth are approximately 5'.

Subsurface Safety Valve: Manu. and Type _____

18. I hereby certify that the foregoing is true and correct

SIGNED Kathy Krutson TITLE Eng Clerk DATE 83

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

NTL-2B REQUEST EXTENSION OF APPROVAL TO
DISPOSE OF PRODUCED WATER INTO UNLINED PITS

NATURAL DUCK FIELD

<u>WELL NUMBER</u>	<u>LEASE NUMBER</u>	<u>LOCATION (Uintah County, Utah)</u>	<u>QUALIFICATION</u>
Natural Duck 1-15GR	U-0144868	Section 15, T9S, R20E	Section IV-#4
Natural Duck 2-15GR	U-0578A	Section 15, T9S, R20E	Section IV-#4
Natural Duck 3-15GR	U-0578A	Section 15, T9S, R20E	Section IV-#4
Natural Duck 4-21GR	U-0144869	Section 21, T9S, R20E	Section IV-#4
Natural Duck 5-15GR	U-0578A	Section 15, T9S, R20E	Section IV-#4
Natural Duck 6-15GR	U-0144868	Section 15, T9S, R20E	Section IV-#4
Natural Duck 8-15GR	U-0144869	Section 15, T9S, R20E	Section IV-#4
Natural Duck 9-15GR	U-0144868	Section 15, T9S, R20E	Section IV-#4
Natural Duck 10-21GR	U-0144869	Section 21, T9S, R20E	Section IV-#4
Natural Duck 11-21GR	U-0144869	Section 21, T9S, R20E	Section IV-#4
Natural Duck 12-21GR	U-0144869	Section 21, T9S, R20E	Section IV-#4

BELCO DEVELOPMENT CORPORATION
DAILY DRILLING REPORT
Friday, March 13, 1981

VERNAL DISTRICT

DEVELOPMENT WELLS

✓ NDC 42-25GR (DW-OIL) 5567' (167') 17. Drilling, Green River.
North Duck Creek Field Drld 167' in 24 hrs.
Uintah County, Utah Bit #3, 8 3/4", F-4, 3 16/32, 2212' in 208 1/4 hrs.
TD 5728' Green River PP-500 WT-25 RPM-70
Jacobs Rig #2 Mud prop: MW-9.2 VIS-30 WL-7.6 Chl-63,000
Belco WI 100% BG-150 CG-600
Drldg Brks:
5454'-5457' (3') 9.0 5.0 8.0 400/200
90% SS, Gd Gld Flo & Gld cut
5487'-5492' (5') 9.0 4.0 13.0 500/300
100% SS, Gd Gld Flo & Gld cut
AFE (csg pt) \$198,000
CUM cost \$169,111

✓ DC 4-17 (DW-GAS) 2924' (427') 8, circ, raise wt for trip, GR.
Duck Creek Field Drld 427' in 21 1/4 hrs, dev 2602', 2 1/4".
Uintah County, Utah Bit #1, 8 3/4", FP-62, 3 16/32, made 2724' in
TD 7331' Wasatch 138 3/4 hrs.
Chandler & Assoc #1 PP-850 WT-45 RPM-62 BG-300 CG-670
Belco WI 100% Mud prop: MW-9.2 VIS-27 Chl-18,000
No drilling breaks.
AFE (csg pt) \$290,000
CUM cost \$109,949

NEW LOCATIONS

CWU 58-19 (DW-GAS) Finish location.
Chapita Wells CUM cost \$11,175
Uintah County, Utah

COMPLETIONS

✓ ND 11-21GR (DW-OIL) Report #7.
Natural Duck Unit Complete running rods & flange up for production.
Uintah County, Utah Open tbg to 400 bbl tank, SDFN.
TD 5057' PBTD Green River ROD DETAIL:
Utah Well Service
Belco WI 100%

10	1"
85	3/4"
63	7/8"
33	1"
1	1" x 8' PUP
1	1" x 6' PUP
1	1" x 4' PUP
	1 1/4" x 22' Polish Rod
	1 1/2" x 14' Liner

Pump Installed: F-54 2 1/2" x 1 1/2" x 12 x 16 BHD
w/10' stinger w/screen.
AFE (comp) \$504,000
CUM cost \$328,658

✓ CW FED 1-5 (DW-GAS) Report #7. Flow well @ 450 MCF 4 hrs, light mist.
Chapita Wells Release Pkr, kill well, latch BP. TOH w/BP &
Uintah County, Utah pkr. TIH to 2000' land tbg on donut. Shut well
TD 7067' PBTD Wasatch in, will frac today.
Utah Well Service AFE (comp) \$554,000
Belco WI 100% CUM cost \$380,822

ENRON
Oil & Gas Company

020930

P. O. Box 1188 Houston, Texas 77251-1188 (713) 853-6161

February 4, 1987

RECEIVED
FEB 06 1987

Ms. Tammy Searing
355 W. North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180

DIVISION OF
OIL, GAS & MINING

Dear Ms. Searing,

To confirm our recent telephone conversation, effective December 31, 1986 Belco Development Corporation was merged with Enron Oil & Gas Company, a Delaware Corporation, the surviving corporate entity (Utah State I.D. Number N0401). Please adjust your records to reflect such change.

Also, please find enclosed a copy of the 1987 Return for Assessment which lists wells in the state of Utah which Belco Development Corporation had an interest.

If you have any questions, you may call me at 713-853-5518.

Very truly yours,



John Thomas
Governmental Royalties & Taxes

ENCLOSURE

cc: Don Fox



UTAH
NATURAL RESOURCE
Oil, Gas & Mining

355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Ut
84180-1203. • (801-538-5340)

DOGM 56-64-2
an equal opportunity employer

Page 8 of 10

MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

• BELCO DEVELOPMENT CORP
P O BOX X
VERNAL UT 84078
ATTN: CATHERINE ANDERSON

Utah Account No. N0101

Report Period (Month/Year) 1 / 87

Amended Report ☐

Well Name				Producing Zone	Days Oper	Production Volume		
API Number	Entity	Location				Oil (BBL)	Gas (MSCF)	Water (BBL)
X N DUCKCREEK 61-29				GRRV	✓✓			
X 4304731263 05050 08S 21E 29				GRRV	✓✓			
X NATURAL DUCK 1-15				GRRV	✓✓	OK ON CARD		
X 4304730393 05055 09S 20E (15)				GRRV	✓✓			
X NATURAL DUCK 2-15				GRRV	✓✓			
X 4304730555 05055 09S 20E 15				GRRV	✓✓			
X NATURAL DUCK 3-15				GRRV	✓✓			
X 4304730556 05055 09S 20E 15				GRRV	✓✓			
X NATURAL DUCK 4-21				GRRV	✓✓			
X 4304730557 05055 09S 20E 21				GRRV	✓✓			
X NATURAL DUCK 5-15				GRRV	✓✓			
X 4304730646 05055 09S 20E 15				GRRV	✓✓			
X NATURAL DUCK 6-15				GRRV	✓✓			
X 4304730647 05055 09S 20E 15				GRRV	✓✓			
X NATURAL DUCK 10-21				GRRV	✓✓			
X 4304730769 05055 09S 20E 21				GRRV	✓✓			
X NATURAL DUCK 11-21				GRRV	✓✓			
X 4304730770 05055 09S 20E 21				GRRV	✓✓			
X NATURAL DUCK 12-21				GRRV	✓✓			
X 4304730771 05055 09S 20E 21				GRRV	✓✓			
X NATURAL DUCK 1-28GR				GRRV	✓✓	OK ON CARD		
X 4304731269 05080 09S 21E (28)				GRRV	✓✓			
X NATURAL DUCK 8-15				GRRV	✓✓			
X 4304730679 05085 09S 20E 15				GRRV	✓✓			
X NATURAL DUCK 9-15				GRRV	✓✓			
X 4304730680 05085 09S 20E 15				GRRV	✓✓			
TOTAL								

Comments (attach separate sheet if necessary)

I have reviewed this report and certify the information to be accurate and complete.

Date

Telephone

Authorized signature

PLEASE COMPLETE FORMS IN BLACK INK

ENRON

Oil & Gas Company

P.O. Box X, Vernal, Utah 84078, Telephone (801) 789-0790

February 16, 1987

State of Utah
Division of Oil, Gas & Mining
355 W. North Temple
Salt Lake City, Utah

RECEIVED
FEB 20 1987

Attention: Ron Firth

DIVISION OF
OIL, GAS & MINING

Dear Mr. Firth:

This is to advise that Enron Oil and Gas has acquired the assets of the following companies:

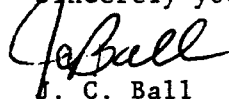
Belco Development Corporation
Belco Petroleum - North America, Inc.
BelNorth Energy Corporation
BelNorth Petroleum Corporation
FEC Offshore Inventory Company
Florida Exploration Company
HNG Exploration Company
HNG Fossil Fuels Company
HNG Oil Company
HNG Oil (Sumatra) Inc.
IN Holdings, Inc.
InterNorth Exploration and Production Division
Ocelot Oil Company
Smitheastern Exploration Company

It is requested that all leases and well names be changed to reflect the new names. A list of affected lease numbers and well names is attached. Also, the bonding should be transferred to Enron Oil and Gas. Enron Oil and Gas Company, A Delaware Corporation, is wholly owned by Enron Corporation.

It is requested that 90 days be granted to have all the wells signs changed.

Also, attached is legal evidence of this ownership. If there are any questions or other information is needed please contact J. C. Ball at 789-0790 in the Vernal Office.

Sincerely yours,



J. C. Ball
District Superintendent

JCB:jl

cc A. C. Morris
D. Weaver
File
J. C. Ball
D. Wright

Part of the Enron Group of Energy Companies

Page 2

cc: Bureau of Land Management - Utah
Bureau of Land Management - Colorado
Bureau of Land Management - New Mexico
State of Utah
State of Colorado
State of New Mexico

Natural Duck 11-21

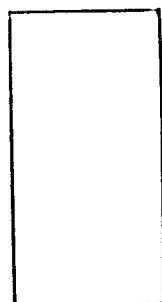
Sec 21, T4S, R20E

Chubly

1/4/89

N

○ well head



pump jack

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE*
 (Other instructions on
 reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
 Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U 0144869
2. NAME OF OPERATOR ENRON OIL & GAS COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME UTE TRIBAL SURFACE
3. ADDRESS OF OPERATOR P. O. BOX 1815 VERNAL, UT 84078		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 542' FNL & 197 ⁶ ' FWL NE/NW		8. FARM OR LEASE NAME NATURAL DUCK
14. PERMIT NO. 30770 43 047 30770		9. WELL NO. 11-21GR
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 4883' NATURAL GL		10. FIELD AND POOL, OR WILDCAT
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		11. SEC., T., R., N., OR E&E. AND SURVEY OR AREA SEC 21, T9S, R20E
NOTICE OF INTENTION TO:		12. COUNTY OR PARISH 13. STATE UTAH UTAH

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐
 FRACTURE TREAT ☐
 SHOOT OR ACIDIZE ☐
 REPAIR WELL ☐
 (Other) ☐

FULL OR ALTER CASING ☐
 MULTIPLE COMPLETE ☐
 ABANDON* ☐
 CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐
 FRACTURE TREATMENT ☐
 SHOOTING OR ACIDIZING ☐
 (Other) ☐

REPAIRING WELL ☐
 ALTERING CASING ☐
 ABANDONMENT* ☐

(Other) ANNUAL STATUS REPORT ☒

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

UNECONOMICAL TO PRODUCE

RECEIVED

FEB 04 1992

DIVISION OF
 OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

Carol Habel

TITLE

PRODUCTION ANALYST

DATE

2-3-92

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

ENRON

OIL & GAS COMPANY

P.O. BOX 1815, VERNAL, UTAH 84078 (801)789-0790

January 6, 1993

Mr. Ronald J. Firth
State of Utah
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

RE: NATURAL DUCK 11-21~~GR~~
NENW Sec. 21, T9S, R20E S.L.B.&M
Uintah County, Utah
LEASE NO. U-0144869

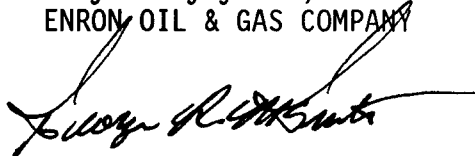
Attn: Mr. Ronald J. Firth

Dear Mr. Firth:

Attached please find an Annual Status Report Sundry Notice on subject well.

If you require further information concerning this matter, please contact this office.

Very truly yours,
ENRON OIL & GAS COMPANY



George R. McBride
Sr. Production Foreman

RECEIVED

JAN 07 1993

cc: Bureau of Land Management - Vernal District
Curt Parsons
Doug Weaver/Toni Miller
Suzanne Saldivar - Houston - EB2369
Diane Cross - Houston - EB2370
File

DIVISION OF
OIL, GAS & MINING

/lwSundry

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☒ GAS ☐ OTHER: _____

2. Name of Operator:
Enron Oil & Gas Company

3. Address and Telephone Number:
P.O. Box 1815 Vernal, Utah 801-789-0790

4. Location of Well
Footages: 542' FNL & 1979' FWL
QQ, Sec., T., R., M.: NE/NW SEC. 21, T9S, R20E

5. Lease Designation and Serial Number:

U-0144869

6. If Indian, Allottee or Tribe Name:

Ute Tribal Surface

7. Unit Agreement Name:

Natural Duck

8. Well Name and Number:

Natural Duck 11-21 GR

9. API Well Number:

30720
43-047-300770

10. Field and Pool, or Wildcat:

Natural Duck

County: Uintah

State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other ANNUAL STATUS REPORT | |

Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

STATUS 12/31/92: UNECONOMICAL TO PRODUCE

RECEIVED

JAN 07 1993

DIVISION OF
OIL, GAS AND MINING

13.

Name & Signature: _____

Luisa L. Wau

Title: _____

Sr. Admin. Clerk

Date: _____

1/6/93

(This space for State use only)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.

SUBMIT IN TRIPLICATE

SEP 07 1993

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Bishop Petroleum Corporation

3. Address and Telephone No.

1580 Lincoln Street, Suite 880, Denver, Colorado 80203

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

(303) 863-7800

542' FNL & 1976' FWL, NE 1/4 NW 1/4
Section 21-T9S-R20E

DIVISION OF
OIL, GAS & MINING

5. Lease Designation and Serial No.

U-0144869

6. If Indian, Allottee or Tribe Name

Ute Tribal Surface

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Natural Duck 11-21GR

9. API Well No.

43-047-30770

10. Field and Pool, or Exploratory Area

Green River

11. County or Parish, State

Uintah, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Change of Operator

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

On July 15, 1993, but effective September 1, 1992, Enron Oil & Gas Company assigned all of its right, title and interest in the above-described well to Bishop Petroleum Corporation.

Please be advised that Bishop Petroleum Corporation is now considered to be the operator of the Natural Duck 11-21GR Well; NE 1/4 NW 1/4 of Section 21, Township 9 South, Range 20 East; Lease U-0144869; Uintah County, Utah; and is responsible under the terms and conditions of the Lease for the operations conducted upon the leased lands. Bond coverage is provided by BLM Bond No. UT0948.

RECEIVED

JUL 15 1993

14. I hereby certify that the foregoing is true and correct

Signed

Title

President

Date 7-15-93

(This space for Federal or State office use)

Approved

HOWARD B. CLEAVINGER II

Title

ASSISTANT DISTRICT
MANAGER MINERALS

Date SEP 02 1993

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See instruction on Reverse Side

ENRON

Oil & Gas Company

1801 California Street, Suite 3400, Denver, Colorado 80202 (303) 293-2525

September 10, 1993

RECEIVED
SEP 13 1993

Division of Oil, Gas and Mining
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

DIVISION OF
OIL, GAS & MINING

Attention: Ms. Lisha Cordova

RE: Change of Operator
Duck Creek and Natural Duck Wells
Uintah County, Utah
K0034064

Ladies and Gentlemen:

This letter will confirm that Enron Oil & Gas Company assigned all of its right, title and interest in and transferred operatorship of the following described wells to Bishop Petroleum Corporation effective September 1, 1992:

<u>Well Name</u>	<u>Description</u>	<u>API Well No.</u>
Duck Creek 11-16GR	SW/4SW/4 of Sec. 16-9S-20E	43-047-30626
Natural Duck 1-15GR	NE/4SW/4 of Sec. 15-9S-20E	43-047-30393
Natural Duck 6-15GR	NW/4SW/4 of Sec. 15-9S-20E	43-047-30647
Natural Duck 3-15GR	SW/4SE/4 of Sec. 15-9S-20E	43-047-30556
Natural Duck 5-15GR	SE/4SW/4 of Sec. 15-9S-20E	43-047-30646
Natural Duck 4-21GR	NE/4NE/4 of Sec. 21-9S-20E	43-047-30557
Natural Duck 10-21GR	NW/4NE/4 of Sec. 21-9S-20E	43-047-30769
Duck Creek 26-8GR	NE/4SE/4 of Sec. 8-9S-20E	43-047-30784
Duck Creek 15-16GR	SE/4SW/4 of Sec. 16-9S-20E	43-047-30649
Duck Creek 6-16GR	NE/4SW/4 of Sec. 16-9S-20E	43-047-30540
Duck Creek 5-16GR	SW/4SE/4 of Sec. 16-9S-20E	43-047-30523
Duck Creek 3-16GR	NE/4SE/4 of Sec. 16-9S-20E	43-047-30476
Natural Duck 12-21GR	NW/4NW/4 of Sec. 21-9S-20E	43-047-30771
Natural Duck 11-21GR	NE/4NW/4 of Sec. 21-9S-20E	43-047-30770
Natural Duck 8-15GR	SW/4NW/4 of Sec. 15-9S-20E	43-047-30679
Natural Duck 9-15GR	NW/4NW/4 of Sec. 15-9S-20E	43-047-30680
Duck Creek 18-16	SE/4NW/4 of Sec. 16-9S-20E	43-047-30655 see separate change.
Natural Duck 2-15GR	SW/4SW/4 of Sec. 15-9S-20E	43-047-30555

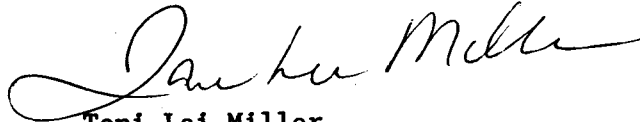
A copy of the federal-form sundry notice pertaining to the change of operator of the Natural Duck 12-21GR well is enclosed. It is our understanding that you have copies of the federal-form sundry notices pertaining to the change of operator of the others.

Division of Oil, Gas and Mining
September 10, 1993
Page 2 of 2

If you have any questions or need anything further from Enron Oil & Gas Company, please don't hesitate to contact the undersigned.

Yours very truly,

ENRON OIL & GAS COMPANY

A handwritten signature in cursive script, appearing to read "Toni Lei Miller".

Toni Lei Miller
Project Landman

TLM/dac
Enclosure
11825T

cc: Bishop Petroleum Corporation

1	EC	7-SJ
2	DTG	8-FILE
3	VIC	
4	RVT	
5	LE	
6	PL	

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- ☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 9-1-92)

TO (new operator)	BISHOP PETROLEUM CORP	FROM (former operator)	ENRON OIL & GAS CO
(address)	1580 LINCOLN ST STE 880	(address)	PO BOX 250
	DENVER, CO 80203		BIG PINEY, WY 83113
	phone (303) 863-7800		phone (307) 276-3331
	account no. N 1245		account no. N0401

Well(s) (attach additional page if needed):

Name:	NATURAL DUCK 10-21/GRRV	API:	43-047-30769	Entity:	5055	Sec	21	Twp	9S	Rng	20E	Lease	Type	U0144869
Name:	NATURAL DUCK 11-21/GRRV	API:	43-047-30770	Entity:	5055	Sec	21	Twp	9S	Rng	20E	Lease	Type	U0144869
Name:	DUCKCREEK 26-8GR/GRRV	API:	43-047-30784	Entity:	10734	Sec	8	Twp	9S	Rng	20E	Lease	Type	U38398
Name:	NATURAL DUCK 12-21/GRRV	API:	43-047-30771	Entity:	5055	Sec	21	Twp	9S	Rng	20E	Lease	Type	U0144869
Name:		API:		Entity:		Sec		Twp		Rng		Lease	Type:	
Name:		API:		Entity:		Sec		Twp		Rng		Lease	Type:	
Name:		API:		Entity:		Sec		Twp		Rng		Lease	Type:	

OPERATOR CHANGE DOCUMENTATION

- See* 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Ref. 9-10-93) (Rec'd 9-10-93)*
- See* 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Rec'd 9-7-93)*
- N/A* 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: ____.
- See* 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- See* 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(9-13-93)*
- See* 6. Cardex file has been updated for each well listed above. *(9-13-93)*
- See* 7. Well file labels have been updated for each well listed above. *(9-13-93)*
- See* 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(9-13-93)*
- See* 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- N/A
2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no) . Today's date 19 . If yes, division response was made by letter dated 19 .

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- Yes 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 19 , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- Yes 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

1. All attachments to this form have been microfilmed. Date: 10-6 1993.

FILING

- Yes 1. Copies of all attachments to this form have been filed in each well file.
- Yes 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
Berry Ventures, Inc.

3. Address and Telephone No. (918) 492-1140
7060 South Yale Avenue, Suite 900, Tulsa, Oklahoma 74136-5742

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
542' FNL & 1,976' FWL, NE/4 NW/4
Section 21-T9S-R20E

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

5. Lease Designation and Serial No.
U-0144869

6. If Indian, Allottee or Tribe Name
Ute Tribal Surface

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Natural Duck 11-21 GR

9. API Well No.
43-047-30770

10. Field and Pool, or Exploratory Area
Green River

11. County or Parish, State
Uintah, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Change of Operator
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

On July 15, 1993, Bishop Petroleum Corporation sold all of its right, title and interest in the above-described well to Berry Ventures, Inc.

Please be advised that Bishop Petroleum Corporation will continue to be the contract operator of the Natural Duck 11-21 GR well under Agreement with Berry Ventures, Inc. Berry Ventures, Inc., as Lessee of Operating Rights from the surface down to the base of the Green River Formation, is responsible under the terms and conditions of the lease for operations conducted upon the leased lands. Bond coverage is provided by Berry Ventures, Inc.'s BLM Bond No. UT0949 and Bishop Petroleum Corporation's Bond No. UT0948. All notices concerning operations should be directed to Bishop Petroleum Corporation, Attention of Mr. John B. Dunnewald, 1580 Lincoln Street, Suite 880, Denver, Colorado 80203, (303) 863-7800.

NOV 2 6 1993

SEP 2 8 1993

14. I hereby certify that the foregoing is true and correct

Signed

Title President

Date September 14, 1993

(This space for Federal or State office use)

Approved by J. HOWARD B. CLEAVINGER II

Title

ASSISTANT DISTRICT
MANAGER MINERALS

Date NOV 2 4 1993

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0034
Expires: July 31, 1992

TRANSFER OF OPERATING RIGHTS (SUBLEASE) IN A
LEASE FOR OIL AND GAS OR GEOTHERMAL RESOURCES

Lease Serial No.

U-0144869

Natural Buttes
0050613-000

Mineral Leasing Act of 1920 (30 U.S.C. 181 et seq.)
Act for Acquired Lands of 1947 (30 U.S.C. 351-359)
Geothermal Steam Act of 1970 (30 U.S.C. 1001-1025)
Department of the Interior Appropriations Act, Fiscal Year 1981 (42 U.S.C. 6508)

Type or print plainly in ink and sign in ink.

PART A: TRANSFER

1. Transferee (Sublessee)* Berry Ventures, Inc.
Street 15 East 5th Street, Suite 1909
City, State, ZIP Code Tulsa, Oklahoma 74103

*If more than one transferee, check here ☐ and list the name(s) and address(es) of all additional transferees on the reverse of this form or on a separate attached sheet of paper.

This transfer is for: (Check one) ☒ Oil and Gas Lease, or ☐ Geothermal Lease

Interest conveyed: (Check one or both, as appropriate) ☒ Operating Rights (sublease) ☐ Overriding Royalty, payment out of production or other similar interests or payments

2. This transfer (sublease) conveys the following interest:

Land Description	Percent of Interest			Percent of Overriding Royalty or Similar Interests	
	Owned	Conveyed	Retained	Reserved	Previously reserved or conveyed
	b	c	d	e	f
<p>Additional space on reverse, if needed. Do not submit documents or agreements other than this form; such documents or agreements shall only be referenced herein.</p> <p>Township 9 South, Range 20 East, SLM</p> <p>Section 21: NE$\frac{1}{4}$ NW$\frac{1}{4}$ 4-21, 10-21, 11-21 & 12-21 wells</p> <p>Uintah County, Utah</p> <p>Containing 160.00 acres, more or less</p> <p>Limited in depth from the surface of the earth down to the base of the Green River formation which is defined as the stratigraphic equivalent of the correlation point established at a depth of 4,822 feet below K.B. (Kelly Bushing) in the Ute Trail No. 10 well drilled by DeKalb Petroleum Company in the NE$\frac{1}{4}$SW$\frac{1}{4}$ of Section 34, Township 9 South, Range 21 East, Uintah County, Utah.</p>	100%	100%	-0-	5%	2.5%

FOR BLM USE ONLY—DO NOT WRITE BELOW THIS LINE

THE UNITED STATES OF AMERICA

This transfer is approved solely for administrative purposes. Approval does not warrant that either party to this transfer holds legal or equitable title to this lease.

☐ Transfer approved effective _____

By _____ (Authorized Officer) _____ (Title) _____ (Date)

**Upon Transferee's written acceptance of this Transfer of Operating Rights and the Bureau of Land Management's approval of same, Transferee agrees to indemnify and hold Transferor harmless from and against any and all claims, damages, liability and causes of action of any kind or character incurred by Transferee in connection with its operation of the interests transferred hereunder.

PART B: CERTIFICATION AND REQUEST FOR APPROVAL

1. The transferor certifies as owner of an interest in the above designated lease that he/she hereby transfers to the above transferee(s) the rights specified above.
2. Transferee certifies as follows: (a) Transferee is a citizen of the United States; an association of such citizens; a municipality; or a corporation organized under the laws of the United States or of any State or territory thereof. For the transfer of NPR-A leases, transferee is a citizen, national, or resident alien of the United States or associations of such citizens, nationals, resident aliens or private, public or municipal corporations; (b) Transferee is not considered a minor under the laws of the State in which the lands covered by this transfer are located; (c) Transferee's chargeable interests, direct and indirect, in each public domain and acquired lands separately in the same State, do not exceed 246,080 acres in oil and gas leases (of which up to 200,000 acres may be in oil and gas options), or 300,000 acres in leases in each leasing District in Alaska of which up to 200,000 acres may be in options, if this is an oil and gas lease issued in accordance with the Mineral Leasing Act of 1920, or 51,200 acres in any one State if this is a geothermal lease; and (d) All parties holding an interest in the transfer are otherwise in compliance with the regulations (43 CFR Group 3100 or 3200) and the authorizing Acts; (e) Transferee is in compliance with reclamation requirements for all Federal oil and gas lease holdings as required by sec. 17(g) of the Mineral Leasing Act; and (f) Transferee is not in violation of sec. 41 of the Mineral Leasing Act.
3. Transferee's signature to this assignment constitutes acceptance of all applicable terms, conditions, stipulations and restrictions pertaining to the lease described herein. Applicable terms and conditions include, but are not limited to, an obligation to conduct all operations on the leasehold in accordance with the terms and conditions of the lease, to condition all wells for proper abandonment, to restore the leased lands upon completion of any operations as described in the lease, and to furnish and maintain such bond as may be required by the lessor pursuant to regulations 43 CFR 3104, 3134, or 3206.

For geothermal transfers, an overriding royalty may not be less than one-fourth (1/4) of one percent of the value of output, nor greater than 50 percent of the rate of royalty due to the United States when this transfer is added to all previously created overriding royalties (43 CFR 3241).

I certify that the statements made herein by me are true, complete, and correct to the best of my knowledge and belief and are made in good faith.

Executed this 15th day of July, 19 93
but effective September 1, 1992.

Name of Transferor Bishop Petroleum Corporation

(Please type or print)

Transferor John B. Dunnewald

or John B. Dunnewald (Signature)

Attorney-in-fact _____ (Signature)

1580 Lincoln Street, Suite 880
(Transferor's Address)

Denver Colorado 80203
(City) (State) (Zip Code)

Executed this 15 day of July, 19 93

BERDA VENTURES, INC.

Transferee By: [Signature]

(Signature)

or _____

Attorney-in-fact _____ (Signature)

BURDEN HOURS STATEMENT

Public reporting burden for this form is estimated to average 30 minutes per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U. S. Department of the Interior, Bureau of Land Management, (Alternate) Bureau Clearance Officer, (WO-771), 18 and C Streets, N.W., Washington, D.C. 20240, and the Office of Management and Budget, Paperwork Reduction Project (1004-0034), Washington, D.C. 20503.

Title 18 U.S.C. Sec. 1001 makes it a crime for any person knowingly and willfully to make to any Department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*This Assignment is made with warranty of title, either express or implied.

STATE OF COLORADO)
) ss:
COUNTY OF DENVER)

On the 15th day of July, 1993, personally appeared before me John B. Dunnewald, who, being by me duly sworn, did say that he is the President of Bishop Petroleum Corporation, and that said instrument was signed on behalf of said corporation by authority of a resolution of its Board of Directors and said John B. Dunnewald acknowledged to me that said corporation executed the same.

C. M. Espinosa-Carpenter
Notary Public - C. M. Espinosa-Carpenter

My Commission Expires:

January 11, 1996

STATE OF COLORADO)
) ss:
COUNTY OF DENVER)

On the 15th day of July, 1993, personally appeared before me Robert W. Berry, who, being by me duly sworn, did say that he is the President of Berry Ventures, Inc., and that said instrument was signed on behalf of said corporation by authority of a resolution of its Board of Directors and said Robert W. Berry acknowledged to me that said corporation executed the same.

C. M. Espinosa-Carpenter
Notary Public - C. M. Espinosa-Carpenter

My Commission Expires:

January 11, 1996

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:	
1- MLC	7- SL
2- DL	8- RL
3- VLC	
4- RJB	
5- DL	
6- RL	

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- | | |
|--|--|
| <input checked="" type="checkbox"/> Change of Operator (well sold) | <input type="checkbox"/> Designation of Agent |
| <input checked="" type="checkbox"/> Designation of Operator | <input type="checkbox"/> Operator Name Change Only |

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 7-15-93)

TO (new operator)	<u>BERRY VENTURES, INC.</u>	FROM (former operator)	<u>BISHOP PETROLEUM CORP.</u>
(address)	<u>C/O BISHOP PETROLEUM CORP.</u>	(address)	<u>1580 LINCOLN ST STE 880</u>
	<u>1580 LINCOLN ST STE 880</u>		<u>DENVER CO 80203</u>
	<u>DENVER CO 80203</u>		<u>JOHN B. DUNNEWALD</u>
	<u>phone (303) 863-7800</u>		<u>phone (303) 863-7800</u>
	<u>account no. N 6970</u>		<u>account no. N 1245</u>

Well(s) (attach additional page if needed):

Name: **SEE ATTACHED**	API: <u>43-047-30770</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- See 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Ref. 11-30-93) (Chg'd 12-10-93)*
- See 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Chg'd 11-26-93)*
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) _____ If yes, show company file number: _____
- See 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(12-7-93)*
- See 6. Cardex file has been updated for each well listed above. *(12-7-93)*
- See 7. Well file labels have been updated for each well listed above. *(12-7-93)*
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(12-7-93)*
- See 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- See 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form). scheduled Jan. 94' Board Hearing "Desig. Unit operations - Duck Creek Unit". Will review & make entity changes at that time. Discussed with Steve Schneider & operator.
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- N/A See 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no) . Today's date 19 . If yes, division response was made by letter dated 19 .

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 19 , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- N/A 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

- ✓ 1. All attachments to this form have been microfilmed. Date: January 3 1994.

FILING

- See 1. Copies of all attachments to this form have been filed in each well file.
- See 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

931130 Btm/Vernal Approved 11-24-93.

OPERATOR BERRY VENTURES INC
ADDRESS 7060 S. YALE AVE, SUITE 900
TULSA, OKLAHOMA, 74136-5742

(3/89)

PROOF OF PUBLICATION

STATE OF UTAH,

} SS.

County of Uintah

I, SHEILA S. WHEELER,

being duly sworn, depose and say, that I am the Business Manager of The Vernal Express, a weekly newspaper of general circulation, published each week at Vernal, Utah, that the notice attached hereto was published in said newspaper

for 1 publications,

the first publication having been made on

the 11th day of June, 1997 and the last on

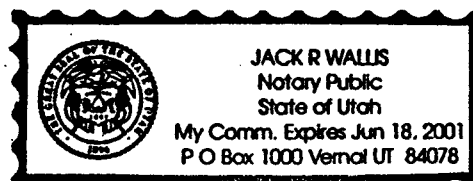
the 11th day of June, 1997, that

said notice was published in the regular and entire issue of every number of the paper during the period and times of publication, and the same was published in the newspaper proper and not in a supplement.

By Sheila S. Wheeler
Manager

Subscribed and sworn to before me, this 11th day of June A.D. 1997.

Jack R. Wallis
Notary Public, Residence, Vernal, Utah



NOTICE OF AGENCY ACTION CAUSE NO. UIC-192 BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH

IN THE MATTER OF
THE APPLICATION OF
BERRY VENTURES,
INC. FOR ADMINIS-
TRATIVE APPROVAL
OF THE DUCK CREEK
11-21 AND 9-15 WELLS
LOCATED IN SEC-
TIONS 15 AND 21,
TOWNSHIP 9 SOUTH,
RANGE 20 EAST,
S.L.M., UINTAH
COUNTY, UTAH, AS
CLASS II INJECTION
WELLS.

THE STATE OF
UTAH TO ALL PER-
SONS INTERESTED IN
THE ABOVE ENTI-
TLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Berry Ventures, Inc. for administrative approval of the Duck Creek 11-21 and 9-15 wells, located in sections 15 and 21, Township 9 South, Range 20 East, S.L.M., Uintah County, Utah, for conversion to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

The interval from 4800 feet to 4900 feet (Green River Formation) will be selectively perforated for water injection. The maximum injection pressure will be limited to 1790 psig.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following Publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing now this matter affects their interests.

Dated this 3rd day of June 1997.

STATE OF UTAH
DIVISION OF OIL,
GAS & MINING
LOWELL P.
BRAXTON,

Deputy Director
Published in the Vernal
Express June 11, 1997.

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH

---ooOoo---

IN THE MATTER OF THE	:	NOTICE OF AGENCY
APPLICATION OF BERRY	:	ACTION
VENTURES, INC. FOR	:	
ADMINISTRATIVE APPROVAL OF	:	CAUSE NO. UIC-192
THE DUCK CREEK 11-21 AND 9-15	:	
WELLS LOCATED IN SECTIONS 15	:	
AND 21, TOWNSHIP 9 SOUTH,	:	
RANGE 20 EAST, S.L.M., UINTAH	:	
COUNTY, UTAH, AS CLASS II	:	
INJECTION WELLS	:	

---ooOoo---

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED
MATTER.


Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Berry Ventures, Inc. for administrative approval of the Duck Creek 11-21 and 9-15 wells, located in sections 15 and 21, Township 9 South, Range 20 East, S.L.M., Uintah County, Utah, for conversion to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

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Dated this 3rd day of June 1997.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING



Lowell P. Braxton
Deputy Director



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

1594 West North Temple, Suite 1210

Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

June 3, 1997

Vernal Express
P.O. Box 1000
54 North Vernal Avenue
Vernal, Utah 84078

Re: Notice of Agency Action - Cause No. UIC-192

Gentlemen:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, 1594 West North Temple, Suite 1210, P.O. Box 145801, Salt Lake City, Utah 84114-5801.

Sincerely,

Lorraine Platt
Secretary

Enclosure



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

1594 West North Temple, Suite 1210

Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

June 3, 1997

Newspaper Agency Corporation
Legal Advertising
Tribune Building, Front Counter
143 South Main
Salt Lake City, Utah 84111

Re: Notice of Agency Action - Cause No. UIC-192

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Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, 1594 West North Temple, Suite 1210, P.O. Box 145801, Salt Lake City, Utah 84114-5801.

Sincerely,

Larraine Platt
Secretary

Enclosure

**Berry Ventures, Inc.
Duck Creek 11-21 and 9-15 Wells
Cause No. UIC-192**

Publication Notices were sent to the following:


Berry Ventures
c/o Bishop Petroleum
5764 Fig Way, Suite B-1
Arvada, Colorado 80002

Newspaper Agency Corporation
Legal Advertising
Tribune Building, Front Counter
143 South Main
Salt Lake City, Utah 84111

Vernal Express
P.O. Box 1000
54 North Vernal Avenue
Vernal, Utah 84078

Vernal District Office
Bureau of Land Management
170 South 500 East
Vernal, Utah 84078

U.S. Environmental Protection Agency
Region VIII
Attn. Dan Jackson
999 18th Street
Denver, Colorado 80202-2466



Lorraine Platt
Secretary
June 3, 1997

Form
4
UIC



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
**UNDERGROUND INJECTION CONTROL
PERMIT APPLICATION**
(Collected under the authority of the Safe Drinking
Water Act, Sections 1421, 1422, 40 CFR 144)

I. EPA ID NUMBER

	T/A	C
U		

READ ATTACHED INSTRUCTIONS BEFORE STARTING
FOR OFFICIAL USE ONLY

Application approved mo day year	Date Received mo day year	Permit/Well Number	Comments

II. FACILITY NAME AND ADDRESS			III. OWNER/OPERATOR AND ADDRESS		
Facility Name Natural Duck 11-21, NENW 21-T9S-R20E			Owner/Operator Name Berry Ventures, Inc		
Street Address Duck Creek Green River Unit			Street Address 5764 Fig Way Suite B-1		
City Uintah County	State UT	ZIP Code	City Arvada	State CO	ZIP Code 80002

IV. OWNERSHIP STATUS (Mark 'x')		V. SIC CODES	
<input checked="" type="checkbox"/> A. Federal	<input type="checkbox"/> B. State	<input type="checkbox"/> C. Private	1311
<input type="checkbox"/> D. Public	<input type="checkbox"/> E. Other (Explain)		

VI. WELL STATUS (Mark 'x')		Plan to convert the Natural Duck 11-21 GR to a water injection well. (43-047-30770)	
<input type="checkbox"/> A. Operating	Date Started mo day year	<input type="checkbox"/> B. Modification/Conversion	<input checked="" type="checkbox"/> C. Proposed

VII. TYPE OF PERMIT REQUESTED (Mark 'x' and specify if required)		Number of Existing wells	Number of Proposed wells	Name(s) of field(s) or project(s)
<input checked="" type="checkbox"/> A. Individual	<input type="checkbox"/> B. Area		1	Duck Creek Green River Unit Sections 15, 16, 21 & 22-T9S-R20E Uintah County, Utah

VIII. CLASS AND TYPE OF WELL (see reverse)			
A. Class(es) (enter code(s))	B. Type(s) (enter code(s))	C. If class is "other" or type is code 'x,' explain	D. Number of wells per type (if area permit)
II	R		

IX. LOCATION OF WELL(S) OR APPROXIMATE CENTER OF FIELD OR PROJECT										X. INDIAN LANDS (Mark 'x')			
A. Latitude			B. Longitude			Township and Range				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
C	Deg	Min	Sec	Deg	Min	Sec	Twsp	Range	Sec	1/4 Sec	Feet from Line	Feet from Line	
I							9S	20E	21	NW	542	N	1976

XI. ATTACHMENTS	
(Complete the following questions on a separate sheet(s) and number accordingly; see instructions) FOR CLASSES I, II, III (and other classes) complete and submit on separate sheet(s) Attachments A — U (pp 2-6) as appropriate. Attach maps where required. List attachments by letter which are applicable and are included with your application:	

XII. CERTIFICATION	
I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)	

A. Name and Title (Type or Print)	B. Phone No. (Area Code and No.)
John Dunnewald, President Bishop Petroleum - Agent for Berry Ventures, Inc.	(303) 421-6300
C. Signature	D. Date Signed
	5/1/97

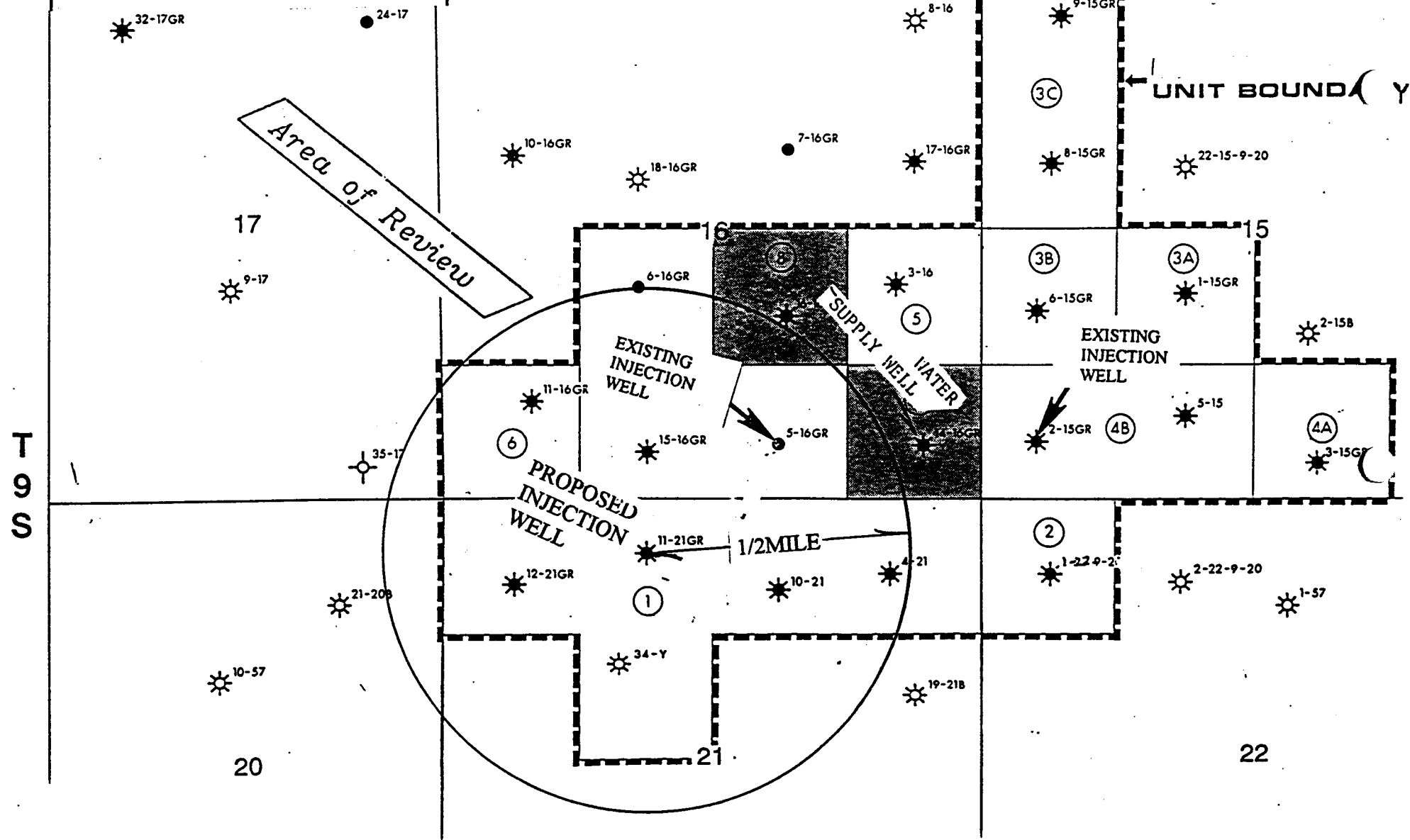
ATTACHMENT "A"

**AREA OF REVIEW
AND NOTIFICATION OF LAND OWNERS.**

The calculated area of review for the proposed Natural Duck 11-21 GR (NENW 21-T9S-R20E) water injection well is A 1/2 mile radius around the well as shown on Attachment "A-1". Attachment "A-2" is a list of the names and mailing addresses for all property owners or tenants within the area of review. Attachment "A-3" is a copy of the cover letter sent to all property owners within the 1/2 mile radius.

**DUCK CREEK
GREEN RIVER UNIT**
UINTAH COUNTY, UTAH

ATTACHMENT "A-1"
AREA OF REVIEW



ATTACHMENT "A-2"

Enron Oil and Gas
1625 Broadway, Suite 1300
Denver CO 80202

Conoco Inc.
P.O. Box 2197
Houston, TX 77252

W.C. Investments
4901 W. 2100 S.
Salt Lake City, UT 84120

Texas Crude Inc.
P.O. Box 56586
Houston, TX 77256-6586

Ute Indian Tribe
Uintah & Ouray Agency
Ft. Duchesne, UT 84026
ATTN: Ronald McCook

Patricia Reeder Eubank
3350 Calle Bonita
Santa Ynez, CA 93460

Richard P. Smoot
847 E. 47th So.
Salt Lake City, UT 84102-2928

Seneca Oil Company
Section #7300; P.O. Box 26960-0001
Oklahoma City, OK 73196-0001

Stephen P. Smoot
875 Donner Way, Suite 705
Salt Lake City, UT 84108-2140

Suzanne M. Denton
6002 Clear Bay
Dallas, TX 75248

Thomas W. Sampson
8028 Woodrow Wilson Drive
Hollywood, CA 90046-1117

Bureau of Land Management
170 So. 500 E.
Vernal, UT 84078
Attn: Howard Cleavinger

Bureau of Land Management
P.O. Box 45155
Salt Lake City, UT 84145-0155
Attn: Robert Henricks

Division of Oil, Gas and Mines
1594 W., North Temple, Suite 1210; P.O. Bo
Salt Lake City, UT 84114
Attn: Mineral Section

Lori H. Schafer
c/o Boeing Employees Credit Union, P.O. Bo
Seattle, WA 98124-9710
Route # 325081403; Acct. # 502883419

Matthew Cullen Wilkin & Josephine Wilkin
Co-Trustees for the Matthew Cullen Wilkin F
5042 Calvin Ave.
Tarzana, CA 91356

Margaret E Pollock Trust
C/o First Interstate Bank of Utah NA Success
P.O. Box 30169
Salt Lake City, UT 84142

Margaret M. Warnock, Trustee
U/T/A Dtd 3-24-69
501 Via Casitas, #601
San Rafael, CA 94904-1933

J. Michael Pack
1040 Peaks Circle
Salt Lake City, UT 84117-7227

Mt. Carmel Trust
7128 So. Poplar Lane
Englewood, CO 80122-1635
c/o Gilman A. Hill

ATTACHMENT "A-2" (Cont'

NSMC Corporation
P.O.Box 2057
Oklahoma City, OK 73101

E.O. Buck
101 Southwestern Blvd. #107
Sugarland, TX 77478-3548

The Frederick U. Leonard, Jr.
& Rosalyn R. Leonard Family Trust
8490 Oakmont Drive
Santa Rosa, CA 95405

Garry B. Wilkin
36450 Alamar Mesa Cr.
Hemet, CA 92343

John R. Anderson
1939 S. 300 West, Suite 200
Salt Lake City, UT 84115

James C. Reeder
c/o Ray, Hoover & Associates
8530 Wilshire Blvd. Penthouse
Beverly Hills, C A 90211

Joseph G. Denton
6002 Clear Bay
Dallas, TX 75248

Judith Ann Webley
34300 Lantern Bay Drive, Suite 33
Dana Point, CA 92629

Kimberly Hill Campbell
15930 SE Brenda Ave.
Milwaukee, OR 97267

La Von S. Hill
7128 S. Poplar Lane
Englewood, CO 80112-1635

A . Bayard Dod, Jr. and
Jane W. Dod, Co-Trustees
4034 Aladdin Drive
Huntington Beach, CA 92649-4225

A.P. Smoot, Trustee
765 E. 3 Fountains Circle 33
Murray, UT 84107-5201

Bar Mesa Resources, Inc.
P.O. Box 213
Roosevelt, UT 84066-0213

Carol L. Hatch
1939 S. 300 West, Suite 200
Salt Lake City, UT 84115

Carol E. Hager
P.O. Box 17866
Salt Lake City, UT 84117-0866

Christ Controlled Resources Trust
34300 Lantern Bay Drive, Suite 33
Dana Point, CA 92629

Coastal Oil & Gas Corp.
P.O. Box 200682
Houston, TX 77216-0682

Craig S. Hill
10753 Varses Lane
Northglenn, CO 80234

David S. Hill
7843 S. Franklin St.
Littleton, CO 80122-3036

ATTACHMENT "A-3"

Berry Ventures, Inc.
5764 Fig Way
Arvada, CO 80002

May 1, 1997

TO: All Interest Owners

RE: Duck Creek Green River Unit
Uintah county, Utah

Gentlemen:

Berry Ventures, Inc., as operator, has filed an application for a class II injection permit and intends to convert the 11-21 GR well located in the NENW Sec. 21, T.9S. - R.20E., to a water injection well for a planned secondary recovery project.

Should you have any questions regarding this matter, please contact us at (303) 421-6300.

Sincerely,

John Dunnewald,
Agent

JD/llh

ATTACHMENT "A-3"

Berry Ventures, Inc.
5764 Fig Way
Arvada, CO 80002

May 1, 1997

TO: All Surface Owners

RE: Duck Creek Green River Unit
Unitah County, Utah

Gentlemen:

Berry Ventures, Inc., as Operator, has filed an application for a class II injection permit and intends to convert the 11-21 GR well located in the NE1/4NW1/4 Sec. 21, T.9S.-R.20E., to a water injection well for a planned secondary recovery project. The EPA is currently preparing a draft permit. After completing the permit the EPA will notify all of the affected parties with a copy of the public notice. At that time you will have a 30 day period in which to comment on the application.

Should you have any questions regarding this matter, please contact us at (303) 421-6300).

Sincerely,



John Dunnewald,
Agent

JD/llh

ATTACHMENT "C"
WELL DATA

WELL/LOCATION	CURRENT STATUS	COMPLETION DATE	POTENTIAL BOPD/MCFPD	HOLE RECORD		CASING RECORD			CEMENT TOP	PERFORATION FT	STIMULATION GAL	# SAND
				SIZE IN	DEPTH FT	SIZE IN	CMT SXS	DEPTH FT				
NATURAL DUCK 4-21 GR NENE 21-9S-20E	PROD	10/22/79	47/34	13 8 3/4	210 5095	9 5/8 5 1/2	200 960	209 5022	SURFACE 1804	4788 - 89 4792 - 98	21,378 OIL	14,700
NATURAL DUCK 10-21 GR NENE 21-9S-20E	PROD	2/25/81	134/166	12 1/4 5 1/2	195 5078	9 5/8 5 1/2	200 700	195 5078	SURFACE 1900	4778 - 4814	31254 OIL	31,250
NATURAL DUCK 11-21 GR NENW 21-9S-20E	SI	3/24/81	35/420	12 1/2 5 1/2	1961 5070	9 5/8 5 1/2	200 1011	190 5070	SURFACE 1560	4845 - 52	11,200	11,000
NATURAL DUCK 12-21 GR NWNW 21-9S-20E	TA	7/14/81	100/12	12 1/4 5 1/2	215 4996	9 5/8 5 1/2	200 905	208 4992	SURFACE 1366	4730 - 98	19,950	72,000
NATURAL BUTTES 34Y NESENW 21-9S-20E	TA	10/19/80	37/39	12 1/4 7 7/8	203 7206	9 5/8 4 1/2	120 2355	203 7206	SURFACE SURFACE	4733 - 35 4824 - 26	17,720	9,840
DUCK CREEK 5-16 GR SWSE 16-9S-20E	TA	10/1/79	146/NA	13 8 3/4	210 5095	9 5/8 5 1/2	200 960	210 5095	SURFACE 1804	4913 - 17	18,450	12,000
NATURAL DUCK 11-16 GR SWSW 16-9S-20E	PROD	12/22/80	80/21	13 8 3/4	204 5007	9 5/8 5 1/2	200 864	204 5007	SURFACE 1655	4845 - 54 4936 - 56	28,644 WTR	28,410
NATURAL DUCK 15-16 GR SESW 16-9S-20E	TA	11/21/80	178/107	13 7 7/8	208 5100	9 5/8 5 1/2	200 1060	208 5090	SURFACE 2026	4940 - 43 4909 - 13 4917 - 21	33782 WTR	24,000



Gamma-Ray Cement Board

COMPANY BELCO PETROLEUM-CORP. 1970

WELL _____ DUCK CREEK 5-16 GR
RECEIVED AS

FIELD	DUCK CREEK	W

COUNTY UINTAH STATE UTAH

location: SW SE

PERFORATE

SEC. 16 TWP. 9S RGE. 20E

G. T. _____, ELEV.: 4868
ELEV.: K.B. 4880
1879

K. B. _____
K. B. _____

GL 4868
OF 4868

LZ FT. ABOVE FIELD, DAUUM

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Tubing	5 1/2"			

[illegible][illegible]

COMPRESSIVE STRENGTH (p.s.i.)					Curing Temp.			
Elapsed	Surface		Protective		Production		Liner	
4 hrs.		°F		°F		°F		°F
8 hrs.		°F		°F		°F		°F
2 hrs.		°F		°F		°F		°F

PRIMARY CEMENTING PROCEDURE			Equipment Data	
	Hour—date	Hours from start of operation	Type, standoff	
ed pumping cement			Logging speed	45'
on bottom			Bias: Max.	
ase pressure			Cartridge No.	339
Cement Bond Log			Spacing	
h Cement Bond Log				
eding fluid	Volume	bbls.	Pipe reciprocated during Pumping: Yes	No
ns: Full	Partial	None	Pipe reciprocated after plug down: Yes	min., No

GAMMA-RAY LOG

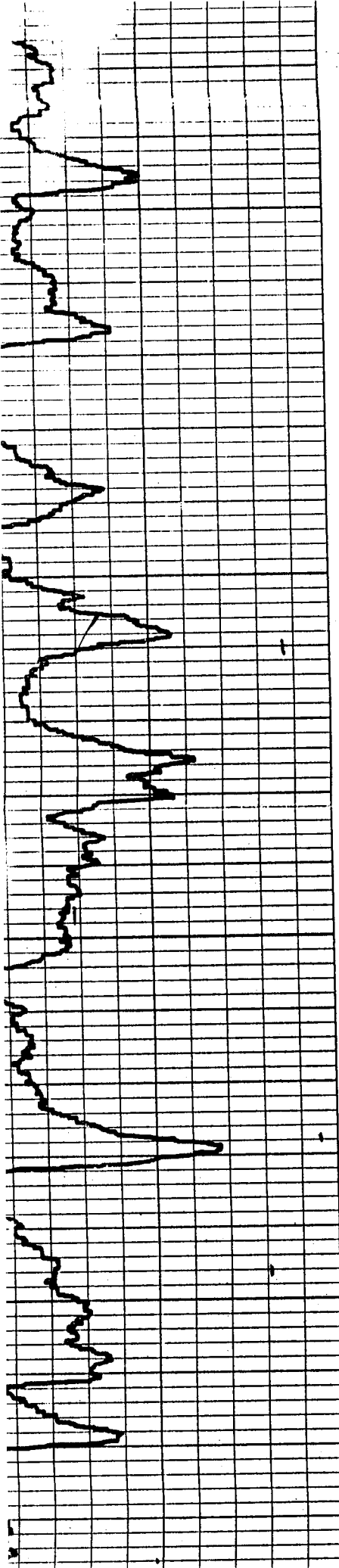
DEPTH

BOND LOG
millivolts

SIGNATURE CURVE

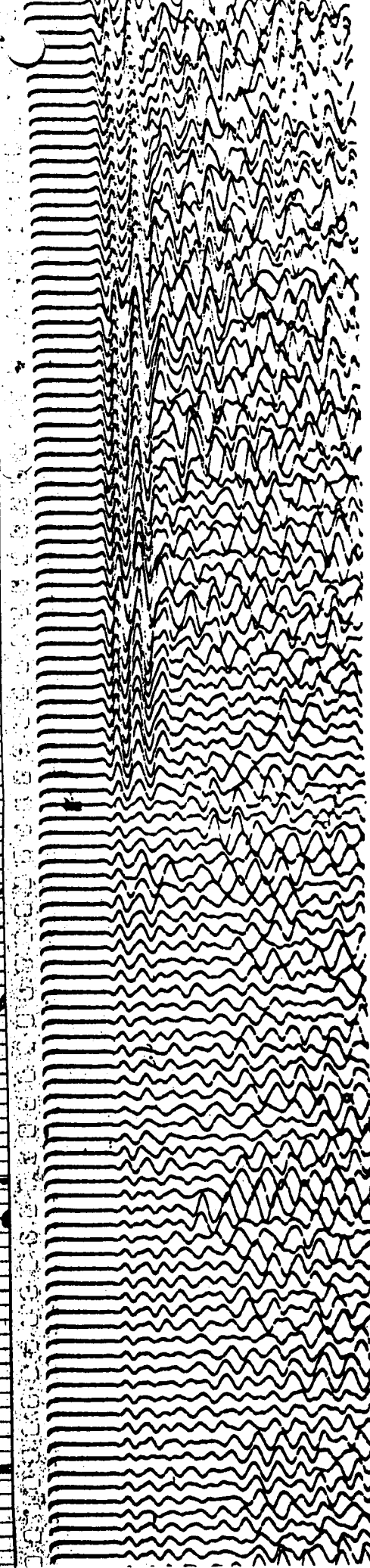
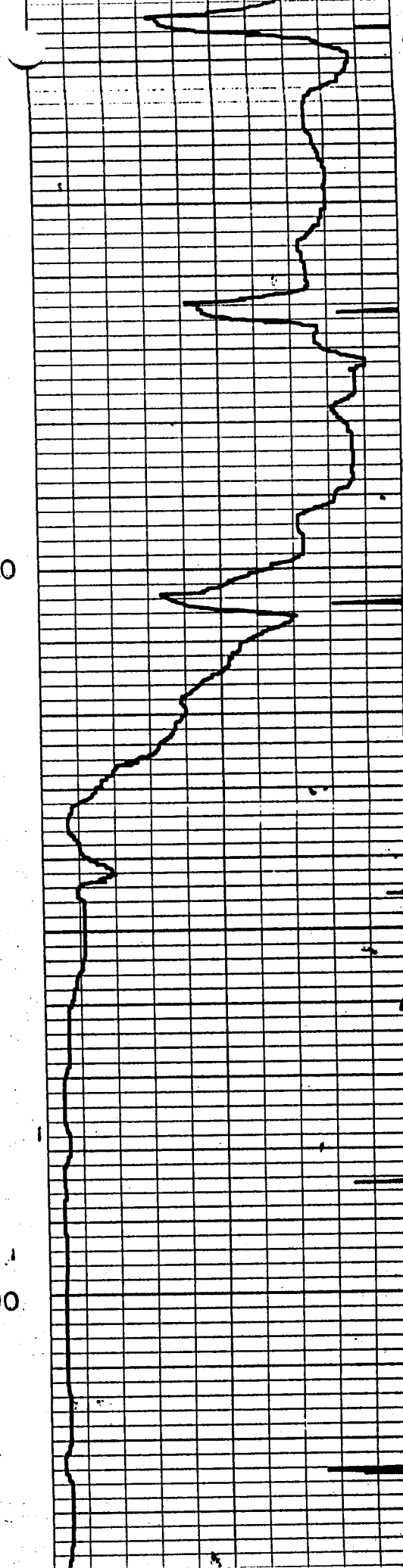
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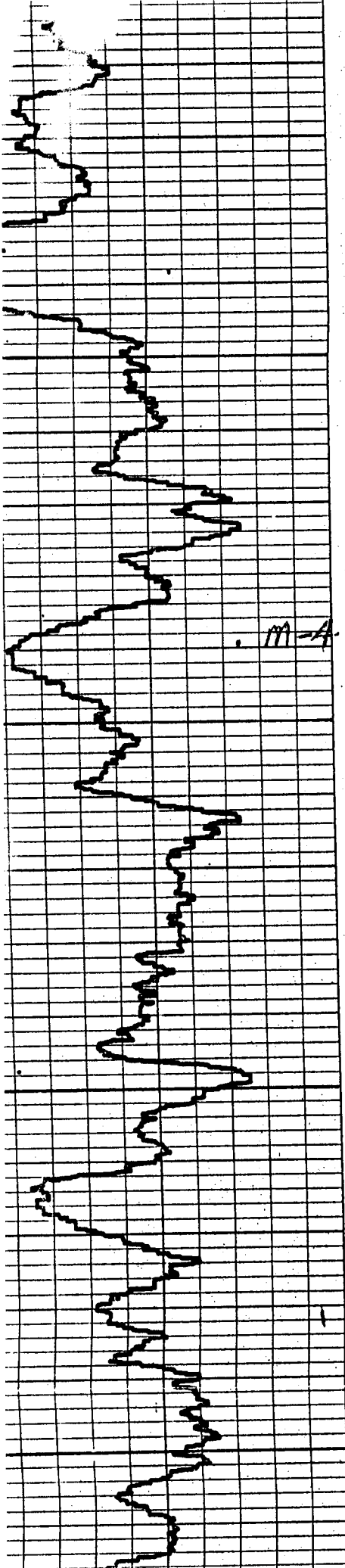




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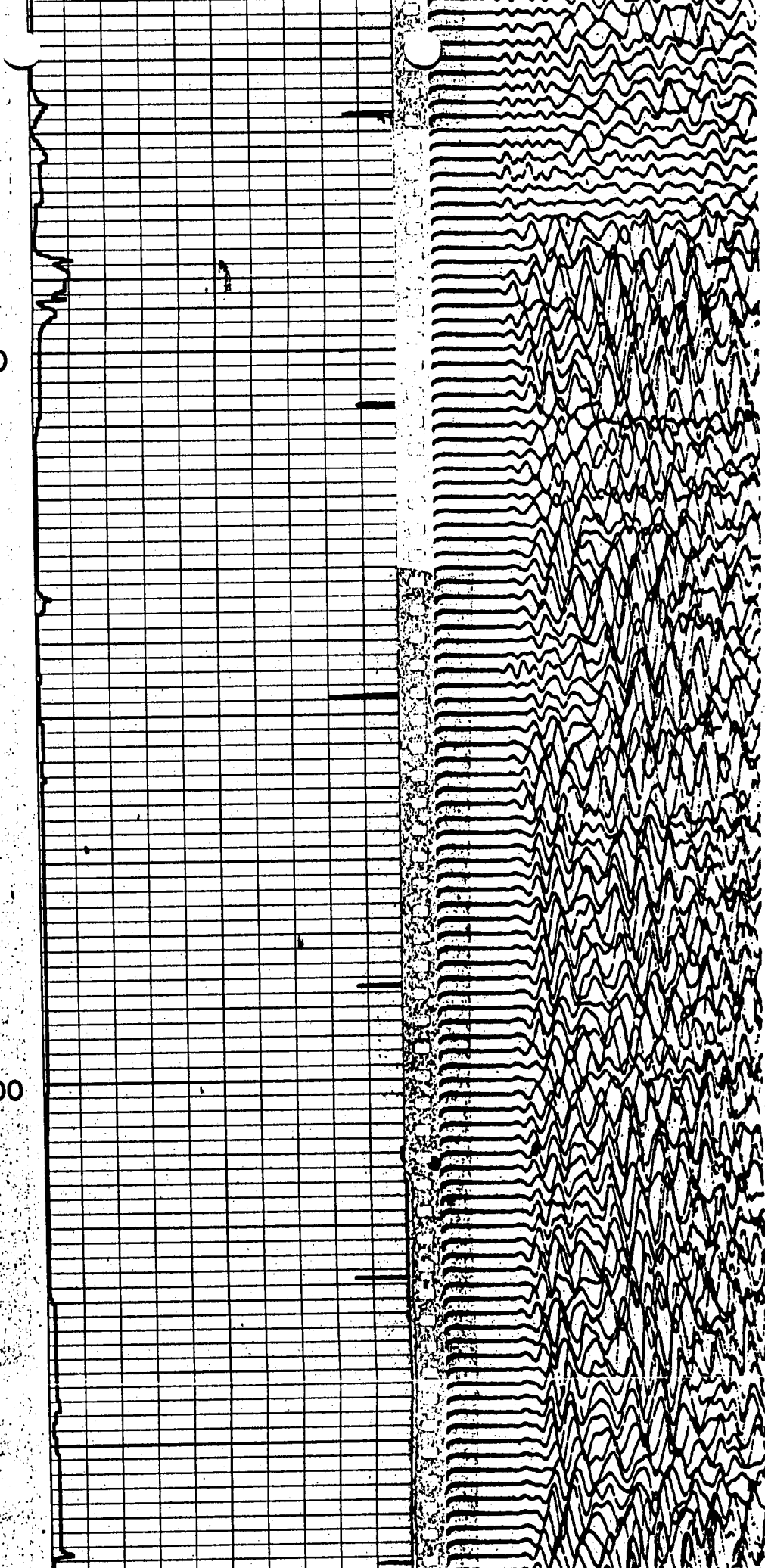
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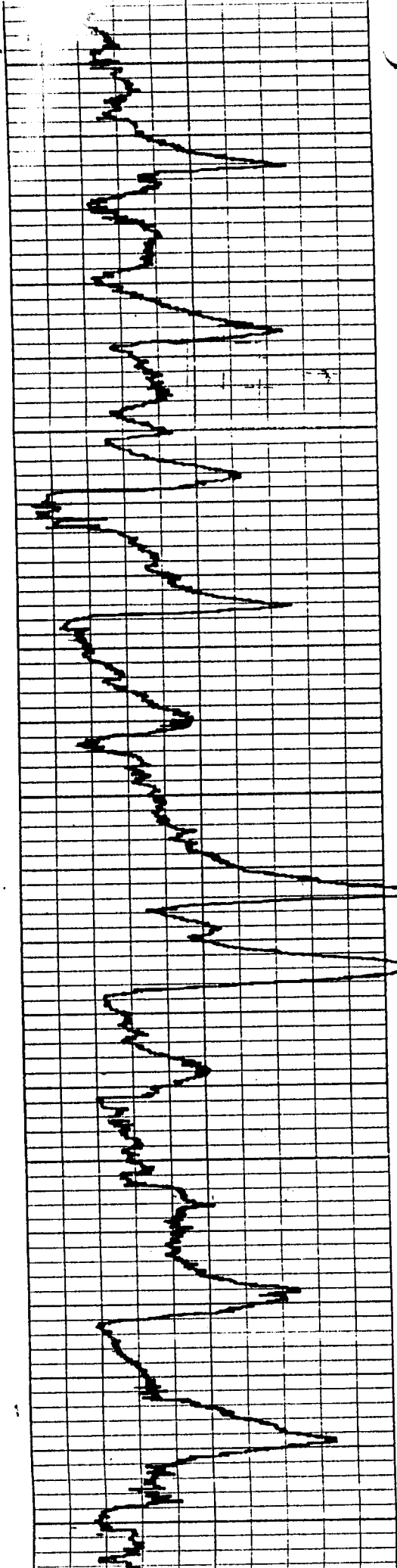




WIRELINE SERVICES GEARHART-OWEN

GAMMA-RAY BOND LOG

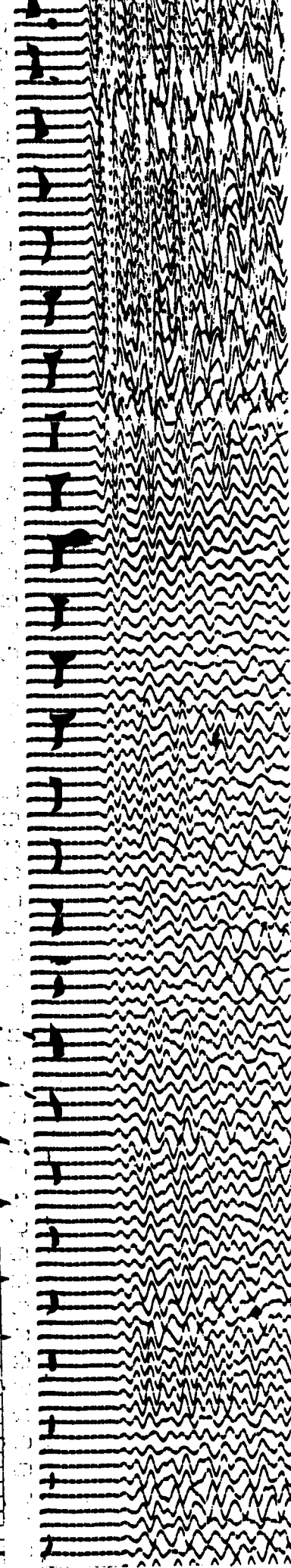
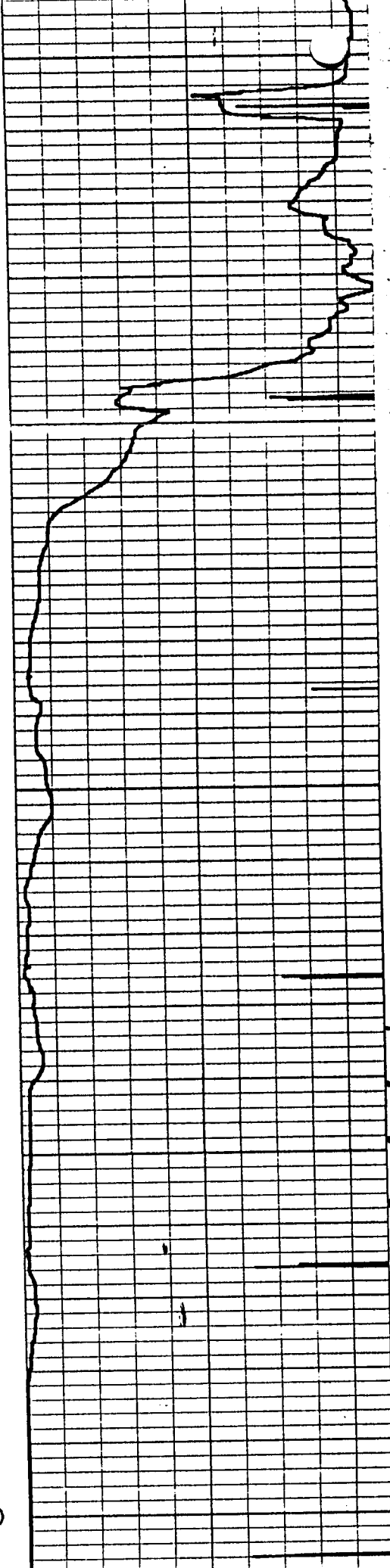
FILING NO.	COMPANY <u>BELCO PETROLEUM CORPORATION</u>					
	WELL <u>DUCK CREEK 11-16 GR</u>					
	FIELD <u>DUCK CREEK</u>					
	COUNTY <u>UINTAH</u> STATE <u>UTAH</u>					
LOCATION: <u>SW 1/4 SW 1/4</u> <u>869' FWL 968' FSL</u> SEC. <u>16</u> TWP. <u>9S</u> RGE. <u>20E</u>						OTHER SERVICES: <u>PERFORATE</u>
PERMANENT DATUM: <u>G.L.</u> ELEV. <u>4780</u> LOG MEASURED FROM <u>K.B.</u> <u>8</u> FT. ABOVE PERM. DATUM DRILLING MEASURED FROM <u>K.B.</u>						ELEV.: K.B. <u>4788</u> D.F. _____ G.L. <u>4780</u>
Date	<u>11-14-80</u>			Type Fluid in Hole		
Run No.	<u>ONE</u>			Dens.	Visc.	
Depth—Driller	<u>5007</u>			Max. Rec. Temp.		
Depth—Logger	<u>4980</u>			Est. Cement Top <u>1648</u>		
Btm. Log Interval	<u>4980</u>			Equip.	Location	<u>5151 VERN</u>
Top Log Interval	<u>1500</u>			Recorded By <u>SLATKY</u>		
Open Hole Size	<u>8 3/4</u>			Witnessed By <u>MR. BOWIE</u>		
CASING REC.	Size	Wt. Ft	Grade	Type Joint	Top	Bottom
Surface String	<u>9 5/8</u>				<u>SURF</u>	<u>205</u>
Prot. String						
Prod. String	<u>5 1/2</u>				<u>SURF</u>	<u>500</u>
Liner						
PRIMARY CEMENTING DATA						
STRING	Surface	Protection	Production	Liner		
Vol. of cement						
Type of cement						
Additive						
Additive by %						
Retarder						
Retarder by %						
Wt. of slurry						
Water loss						
Drill. mud type						
Drilling mud wt.						

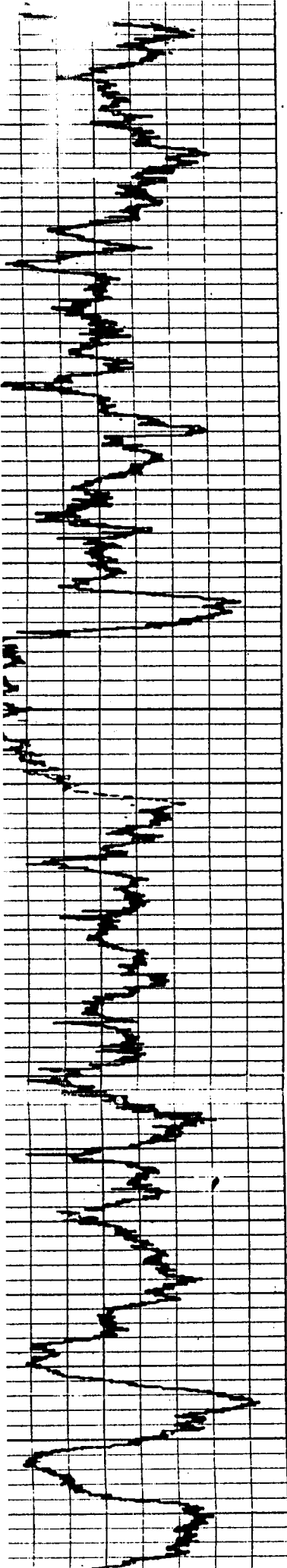


30

1700

1800

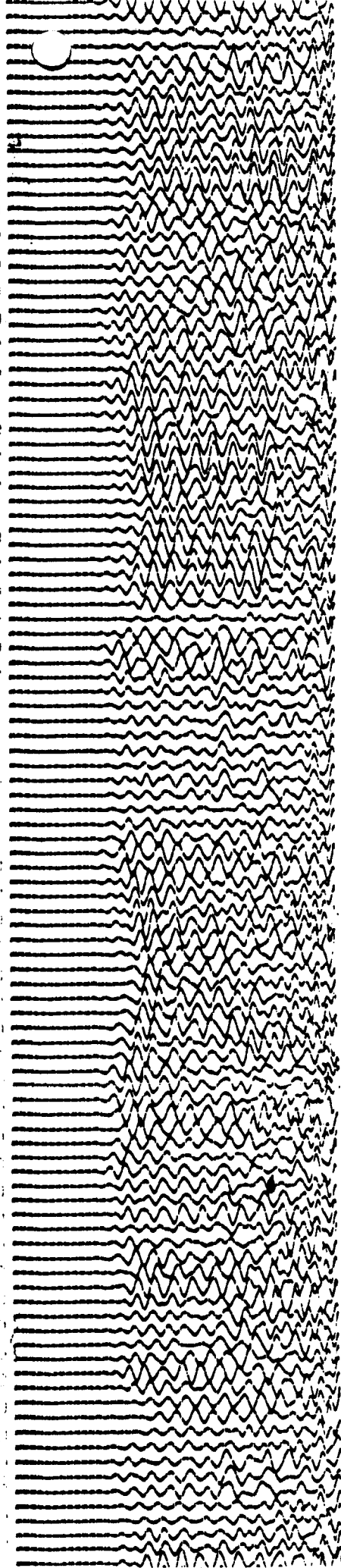
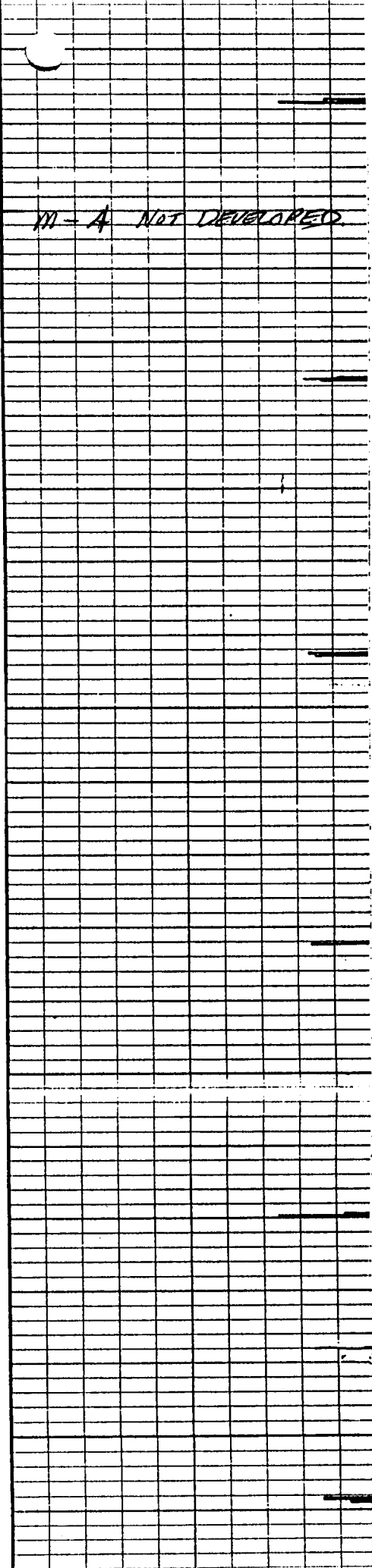




4800

4900

M - A NOT DEVELOPED



GEARHART**GAMMA-RAY
CEMENT BOND LOG**

FILING NO. _____

COMPANY BELCO DEVELOPEMENT CORP.WELL NATURAL DUCK 11-21 GRFIELD DUCK CREEKCOUNTY UINTAH STATE UTAH

LOCATION:

SEC 21 TWP 9S RGE 20E

OTHER SERVICES:

PERMANENT DATUM: G.L. ELEV 4883
LOG MEASURED FROM K.B. 8 FT. ABOVE PERM. DATUM
DRILLING MEASURED FROM K.B.ELEV.: K.B. 4891
D.F. _____
G.L. 4883

Date	3-6-81	Type Fluid in Hole	
Run No.	ONE	Dens. Visc.	
Depth—Driller	5045	Max. Rec. Temp.	
Depth—Logger	5044	Est. Cement Top	1350
Btm. Log Interval	5040	Equip. Location	6017 VERNAL
Top Log Interval	1350	Recorded By	CHRISTIANSEN
Open Hole Size		Witnessed By	Mr. HARMON
CASING REC.	Size	Wt Ft	Grade
Surface String	4 5/8		Type Joint
Prot. String	5 1/2		Top
Prod. String			Bottom
Liner			Surf. 205

PRIMARY CEMENTING DATA

STRING	Surface	Protection	Production	Liner
Vol. of cement				
Type of cement				
Additive				
Additive by %				
Retarder				
Retarder by %				
Wt. of slurry				
Water loss				
Drill. mud type				
Drilling mud wt.				

of This Line

100% Bonding

0% Bonding

11-21

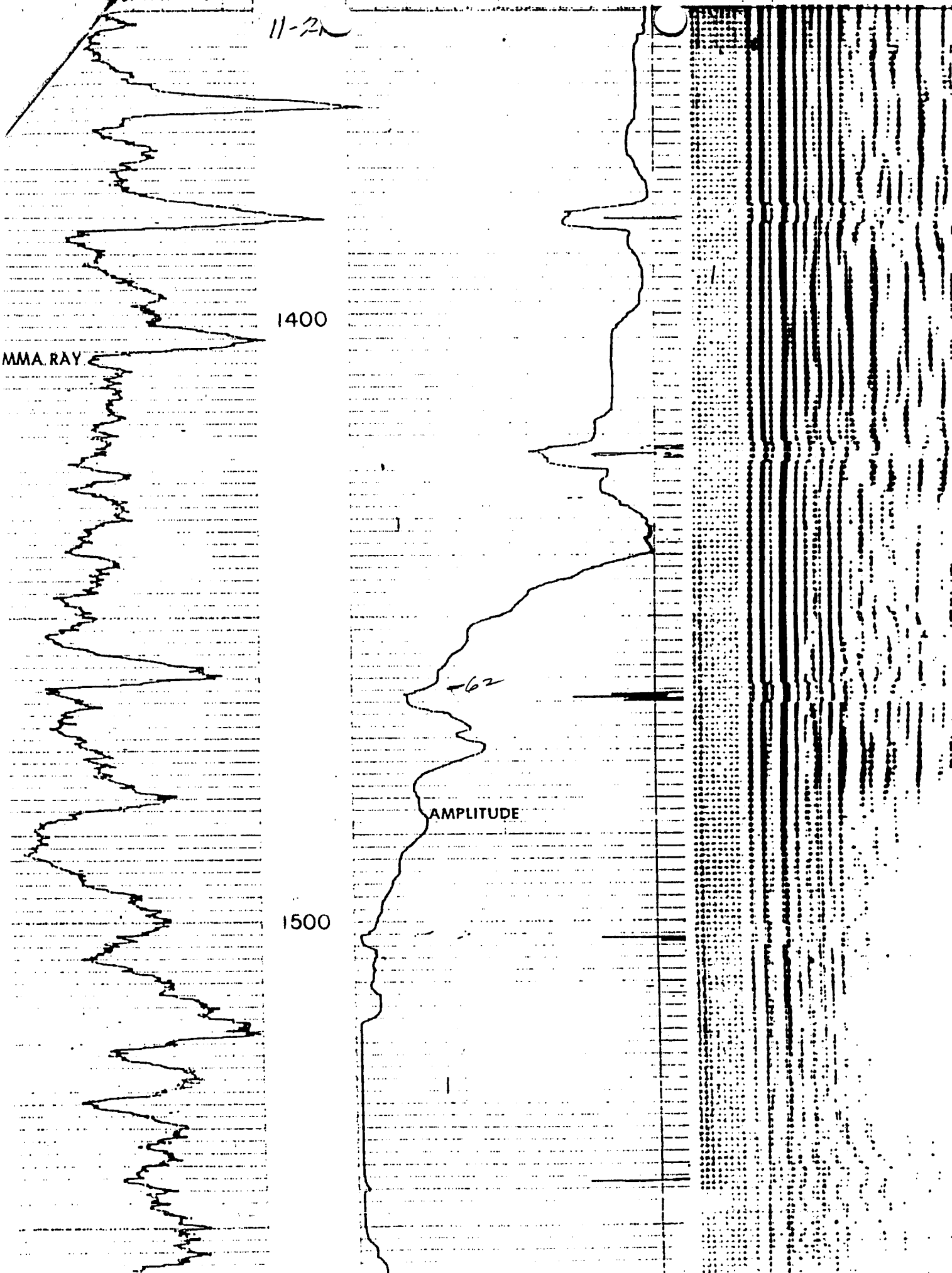
1400

MMA RAY

62

AMPLITUDE

1500



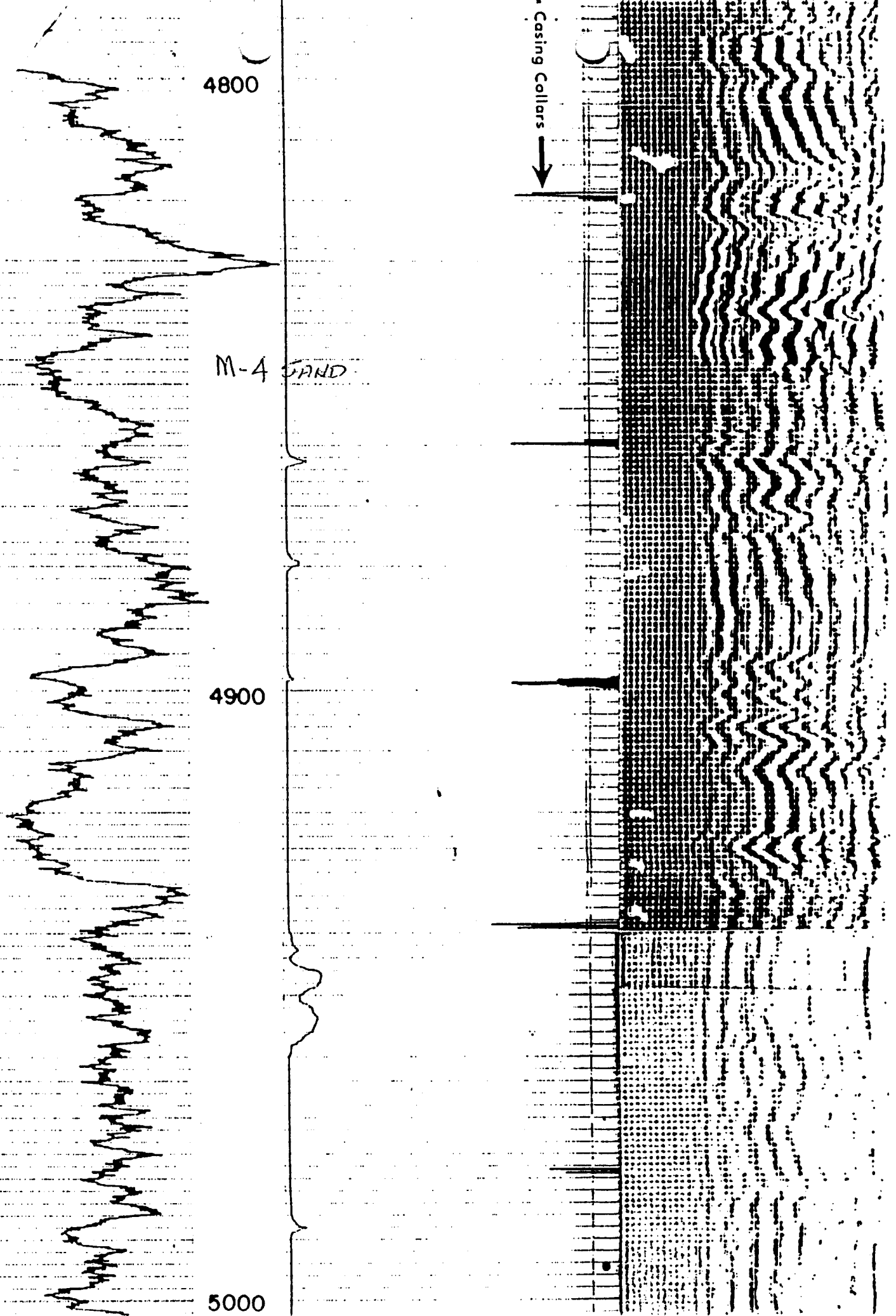
4800

M-4 SAND

4900

5000

Casing Collars →



RECEIVED JUN - 1981



ACOUSTIC CEMENT BOND- GAMMA RAY LOG

COMPANY BELCO DEVELOPMENT
 WELL N D #1 GR 1
 FIELD DUCK CREEK
 County UINTAH
 State UTAH
 File _____

COMPANY BELCO DEVELOPMENT CORP.
 WELL NATURAL DUCK 12-21 GR
 FIELD DUCK CREEK
 COUNTY UINTAH STATE UTAH
 Location _____
 Sec. 21 Twp. 9S Rge. 20E
 NW 1/4
 666' FWL & 824' FNL
 Other Logs _____

Permanent Datum _____ GROUND LEVEL Elev. 4794
 Log Measured From K.B. 12' ABOVE GROUND LEVEL
 Drilling Measured From K.B.
 KB. 4806
 DF. _____
 GL. 4794

Run	Bit	From	To	Size	Wat.	From	To
BORE HOLE RECORD				CASING RECORD			
Type Log	SCBL-G/R						
Run No.	ONE						
Date	6-16-81						
Driller	4996						
Present Depth Driller	4950						
Total Depth O.W.P.	4934						
Survey Begins	1100						
Survey Ends	4934						
Truck No.	533						
Location	VERNAL						
Type Fluid in Hole	WATER						
Salinity PPM Cl							
Weight lb./gal							
Fluid Level	FULL 1000 PSI						
Max. Hole Temp.							
Recorded By	COUGHLIN						
Witnessed By	MR. BOWIE						

LOGGING TOOL DATA

533	Inst. Truck No. 533	Tool Serial No. SN 11
GAMMA RAY		CEMENT BOND
el No.	Dia. 3 1/8"	Log Type ACOUSTIC VARIABLE DENSITY LOG
Model No.		Tool Model No. Dia. 3 1/4"
GMC	Length 18"	Detector Model No.
To Bond Ref. 5.5'		Free Casing = 10 API Div.
		Spacing 3'

LOGGING DATA

Depth	Speed Fl./min	T. C. Sec.	Gamma Ray Setting			T. C. Sec.	Bond Setting		
			Sensitivity	Zero	Scale		Sensitivity	Zero	Scale
To 4934	30	2	460	SEE LOG	5"=100'				5"=100'
	30								

on Data BOND LOG WAS RUN WITH 15 MICROSECOND GATE SET ON FIRST NEGATIVE PULSE.
 LOGGING DATA & REMARKS:

GAMMA RAY

→

DIATION INTENSITY INCREASES

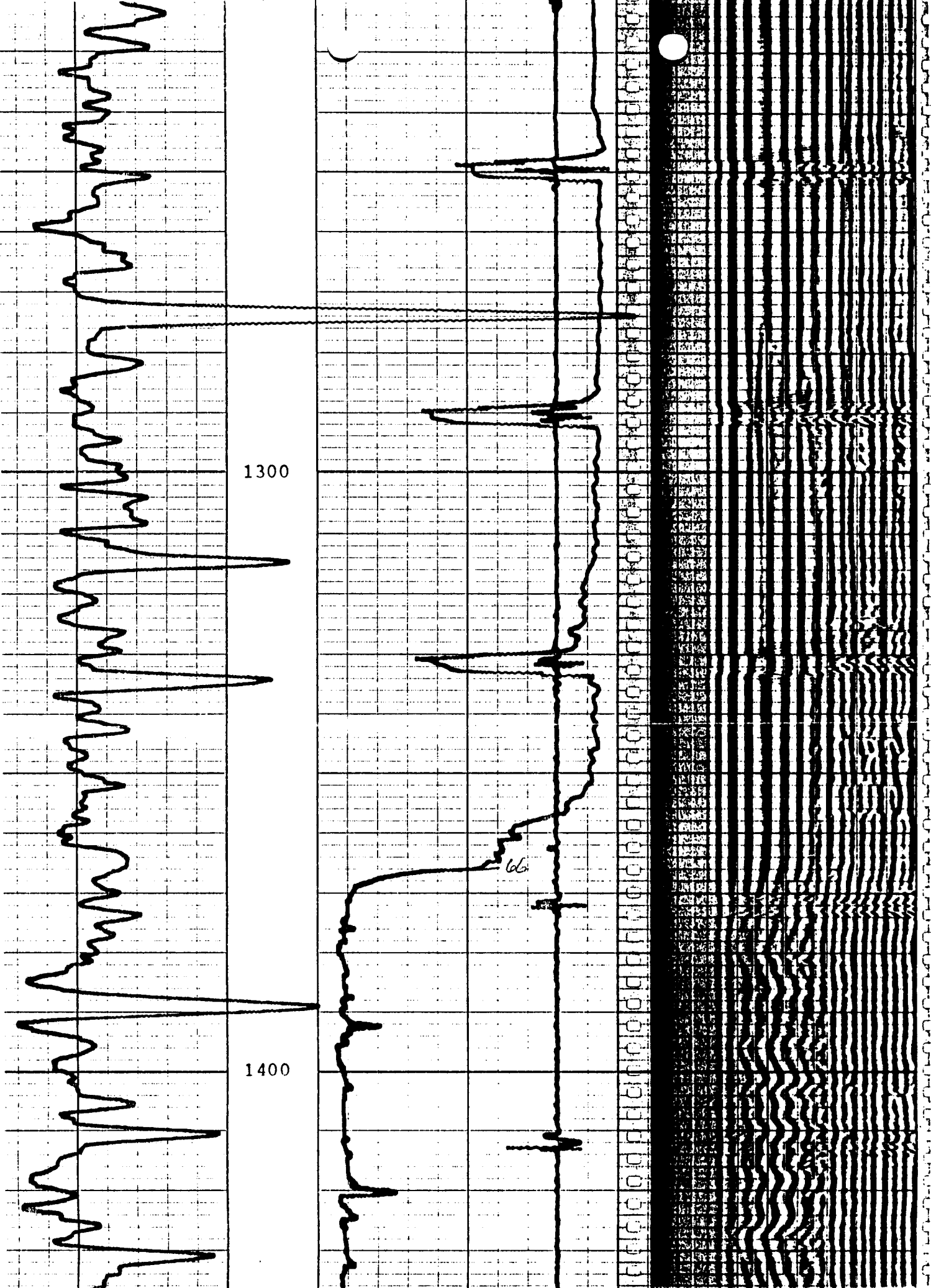
CASING & COLLAR DEPTH

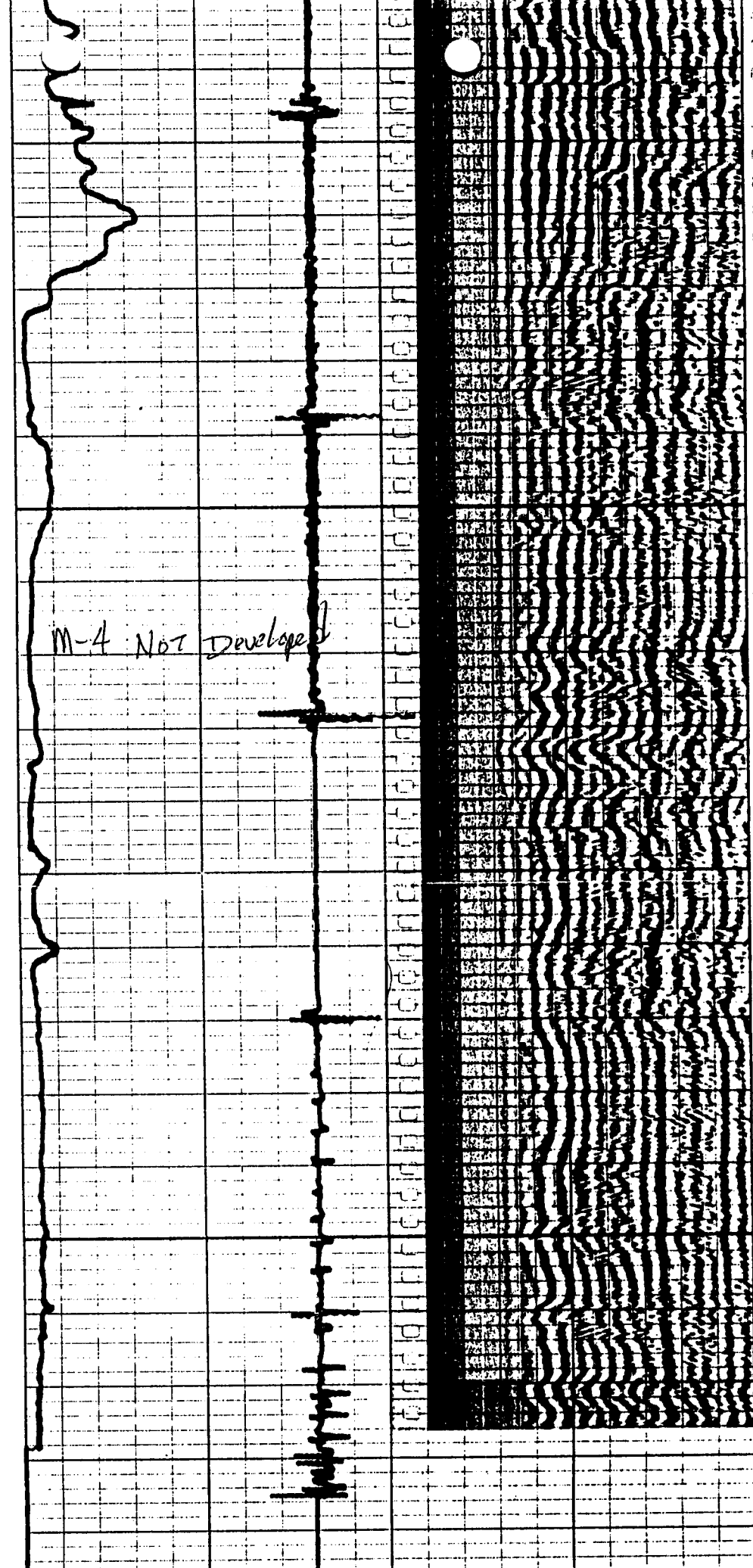
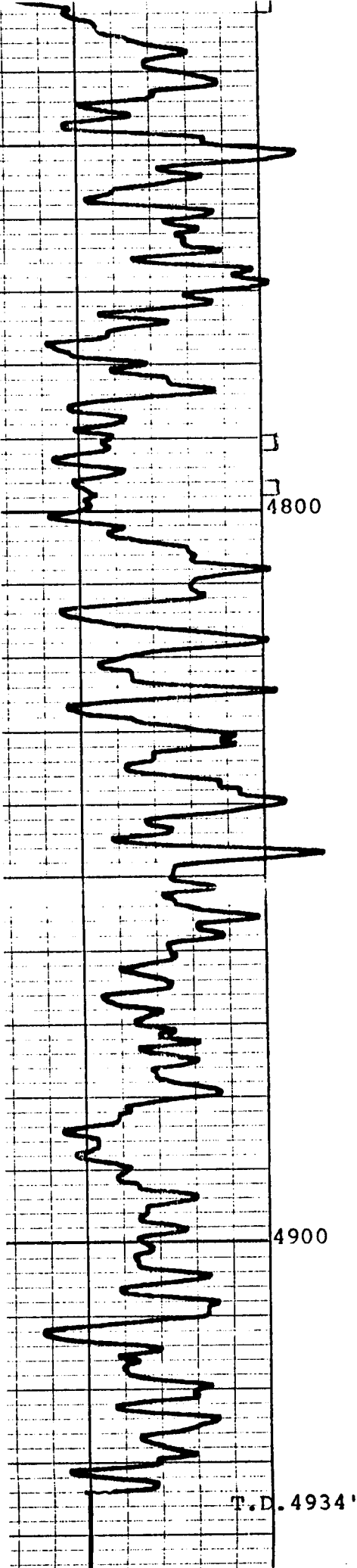
CEMENT BOND

←

VDL or SEISMIC

TIME



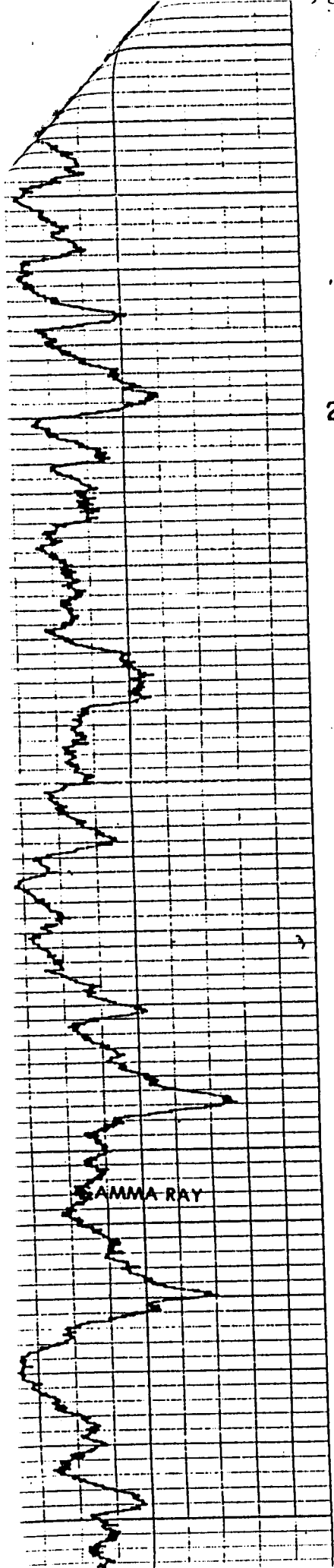


Cement Bond Loy

FILING NO. _____ 	COMPANY <u>BELCO DEVELOPMENT CORP.</u>		
WELL <u>NATURAL DUCK 10-21 GR</u>			
FIELD <u>NATURAL DUCK</u>			
COUNTY <u>UINTAH</u> STATE <u>UTAH</u>			
LOCATION: _____			OTHER SERVICES: _____
SEC. <u>21</u> TWP. <u>9S</u> RGE. <u>20E</u>			PERF. _____
PERMANENT DATUM: <u>G.L.</u> , ELEV: <u>4855</u>			ELEV.: K.B. <u>4863</u>
LOG MEASURED FROM <u>K.B.</u> , <u>8</u> FT. ABOVE PERM. DATUM			D.F. _____
DRILLING MEASURED FROM <u>K.B.</u>			G.I. <u>4855</u>

Date	2 FEB 81		
Run No.	ONE		
Type Log	G/R BOND		
Depth-Driller	5033		
Depth-Logger	5031		
Bottom logged interval	5025		
Top logged interval	1850		
Type fluid in hole	WATER		
Max rec. temp., deg. F.			
Operating rig time	4 HOURS		
Recorded by	ABRAMS		
Witnessed by	MR. BOWIE		

Tubing-Liner Record				Casing Record			
Size	Wgt.	From	To	Size	Wgt.	From	To
Tubing				9 5/8		SURF.	196'
				5 1/2		SURF.	T.D.
Liner							

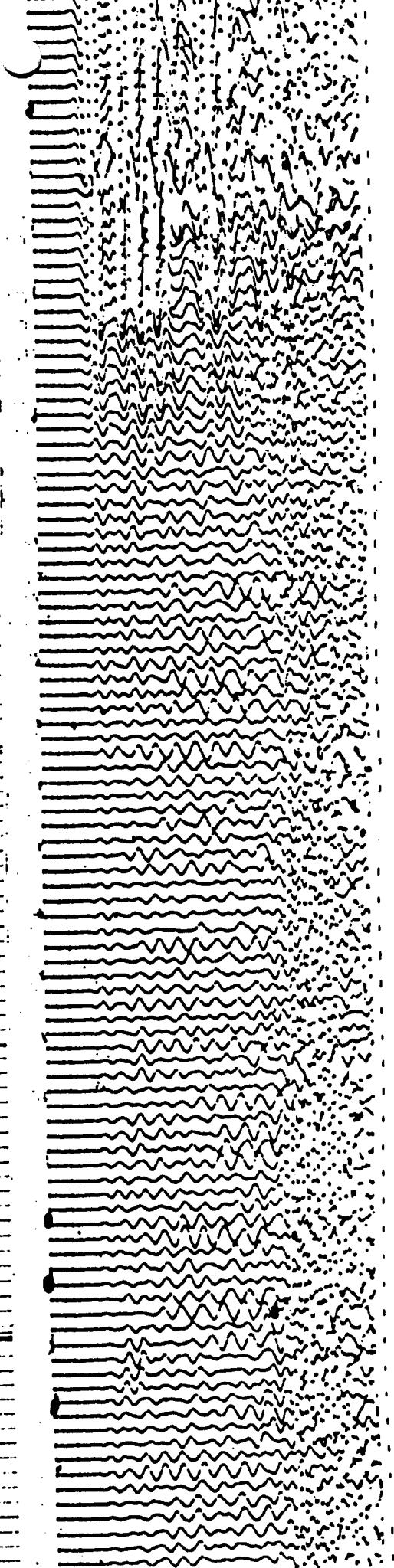


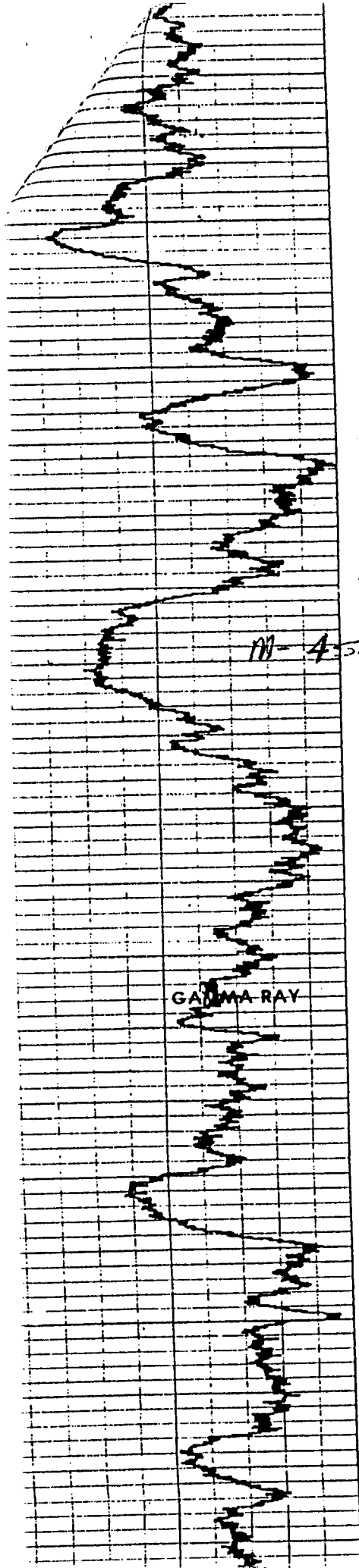
2000

2100

AMPLITUDE

COLLAR LOG





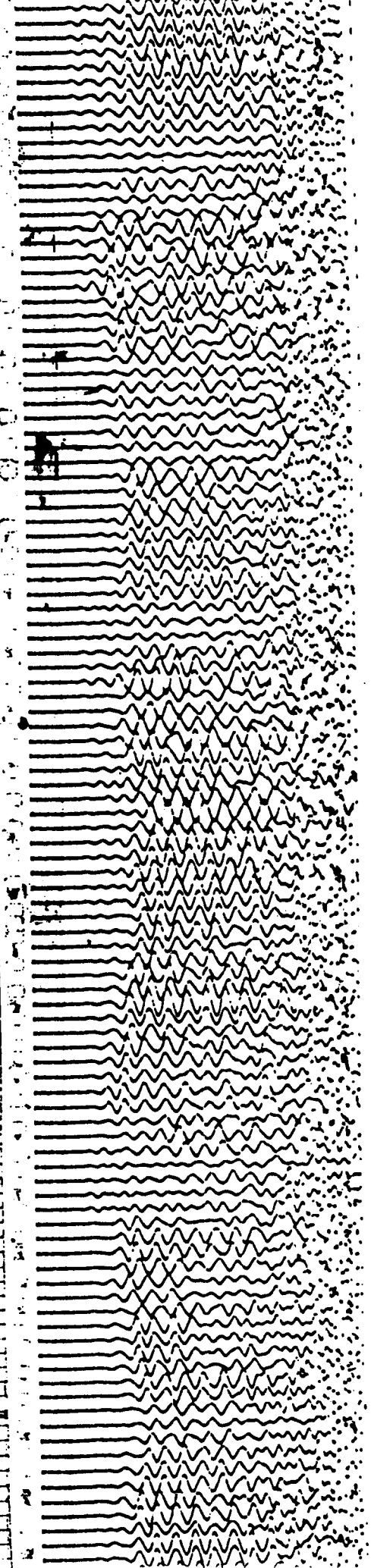
4800

M-4 SAND

4900

COLLAR LOG

AMPLITUDE



WIRELINE SERVICES

GEARHART-OWEN

VED SEP 10 1979

Mr-Ray Bond Log

COMPANY BELCO PETROLEUM CORP.

WELL NATURAL DUCK 4-21 GR

FIELD DUCK CREEK

COUNTY LINNEAH

STATE UTAH

LOCATION: 1

21 TWP 9 S RGE 20 E

OTHER SERVICES:

PERF.

L. ELEV 4854

ELEV: K.B. 4866

B. 12 FT. ABOVE PERM. DATUM

D.F. 4865

K.B. GL 4854

8-24-79

CONISATE

ONE Type Fluid in Hole

Dens. Visc.

5022

Max. Rec. Temp. 1800

1

Est. Cement Top.

4.55

Equip. Location

1650

Recorded By Mc Carley

Witnessed By

Mr. Feely

Size

Wt/Ft Grade Type Joint Top Bottom

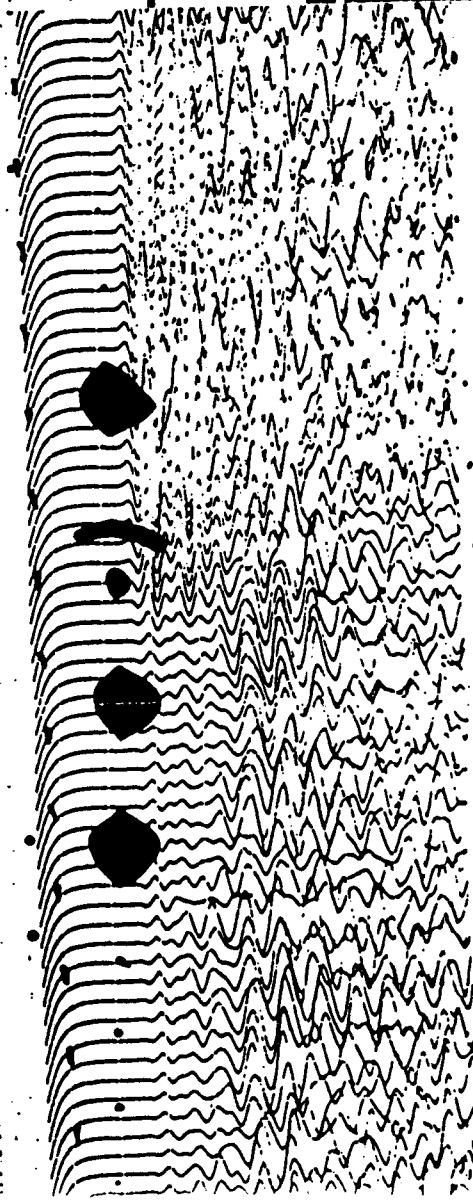
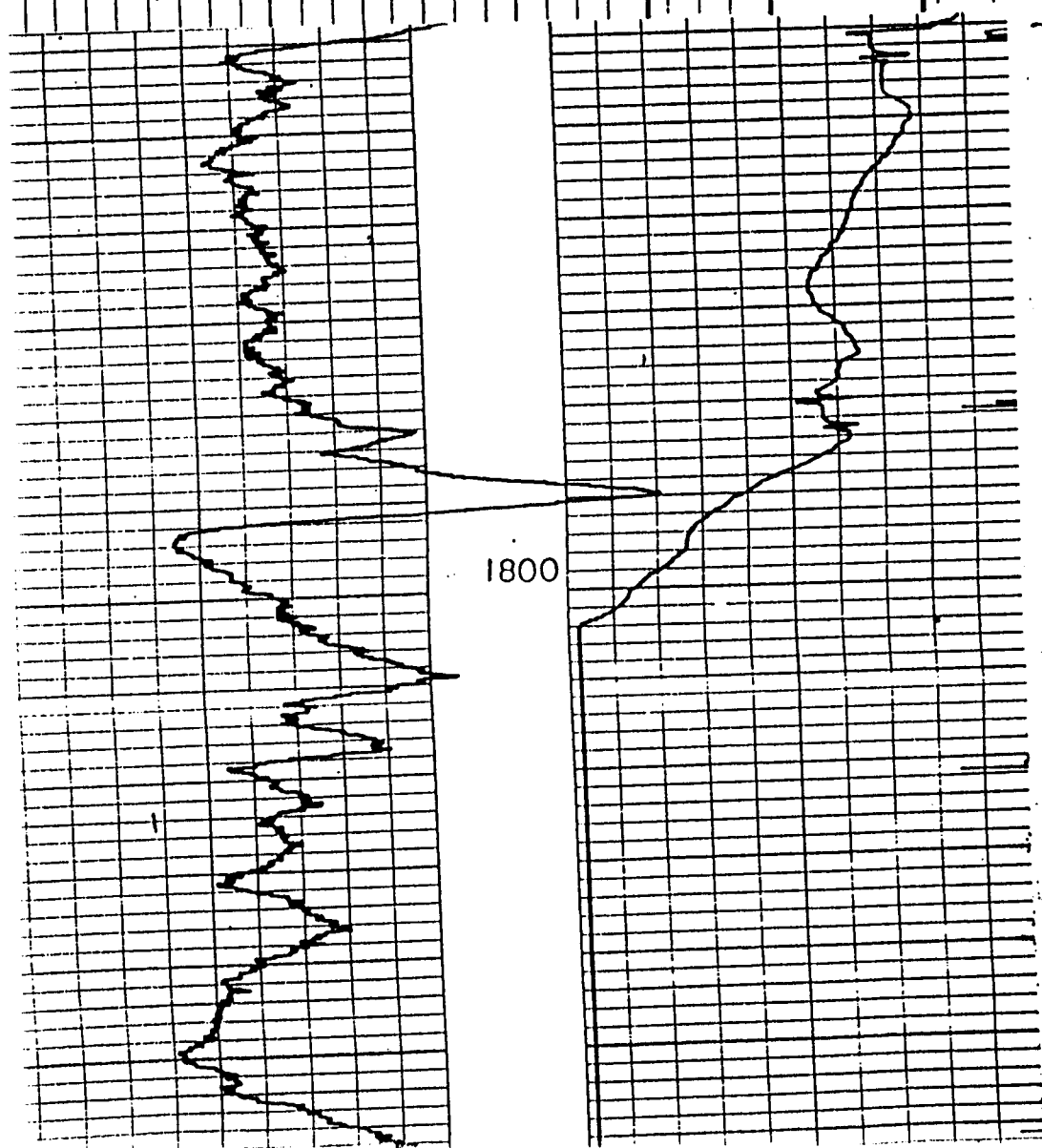
1/2

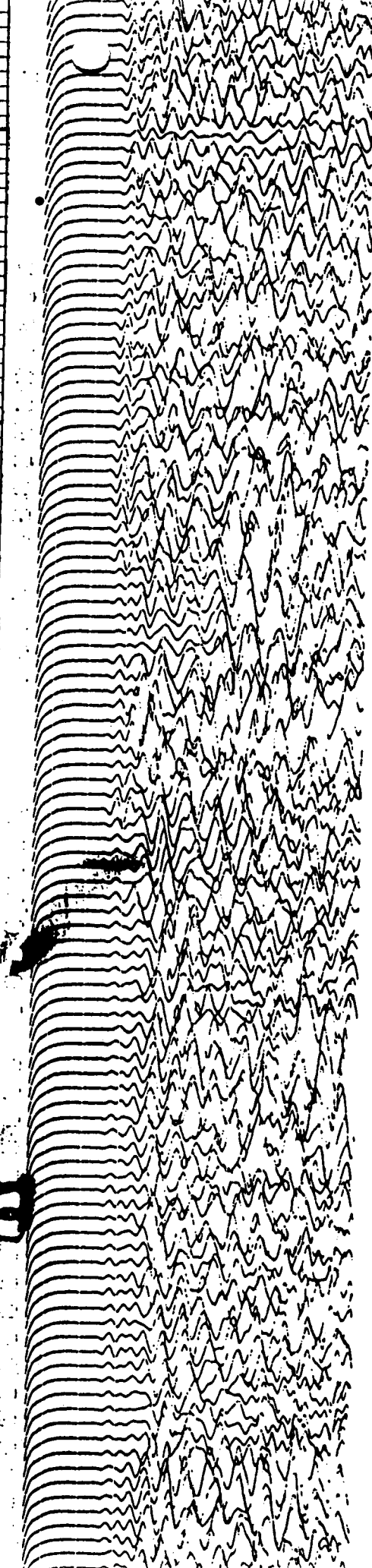
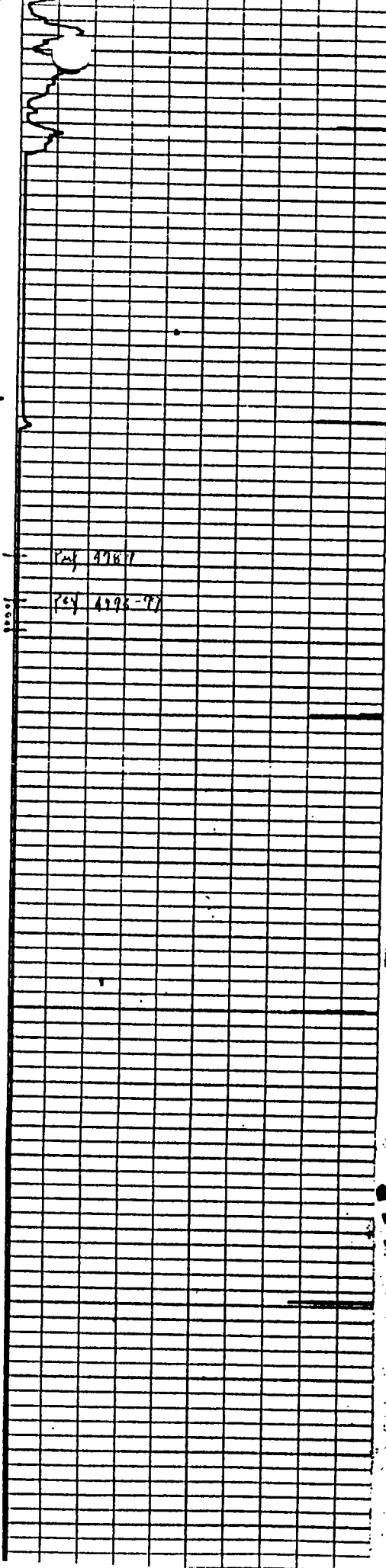
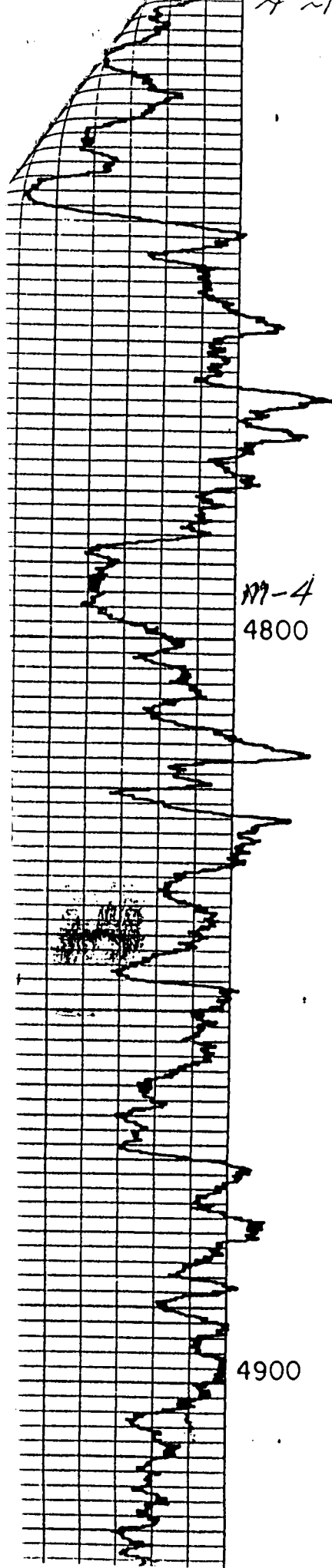
SURF. 5020

PRIMARY CEMENTING DATA

Surface Protection Production

Liner





Schlumberger

Variable Density

COUNTY UTAH
Field or LOCATION NATURAL BUTTES
WELL NATURAL BUTTES 34YCOMPANY GAS PRODUCERSCOMPANY GAS PRODUCING ENTERPRISESWELL NATURAL BUTTES UNIT 34YFIELD NATURAL BUTTESCOUNTY UINTAH STATE UTAHLOCATION N API Serial No. Sec. 21 Twp. 9N Rge. 20EOther Services:
NONEGL Elev. 4785Elev.: K.B. 4798
D.F. 4785
G.L. 4785Permanent Datum: KB, 13 Ft. Above Perm. DatumLog Measured From KBDate 2/2/80

Casing Fluid

4% KCL

Fluid Level

39

Max. Rec. Temp.

--- °F

Est. Cement Top

SURF. CSG.

Unit District

5749 VERNAL

Recorded By

SELIGMAN

Witnessed By

NICHOLLS

Top of Interval

7 7/8

Casing REC.

Size

9 5/8

Wt/Ft

Grade

Type Joint

Top

Bottom

Surface String

9 5/8

SURF.

SURF.

216

Prot. String

4 1/2

11.6

SURF.

TD

Liner PRIMARY CEMENTING DATA

Surface

Protection

Production

Liner

STRING

Vol. of cement

Type of cement

Additive

Retarder

Wt. of slurry

Water loss

Type fluid in csg.

The well name, location and borehole reference data were furnished by the customer.

FOLD HERE

PRIMARY CEMENTING DATA

☐ Actual ☐ Estimated

Hour - Date

Started pumping cement

Release pressure

Start Cement Bond Log

Finish Cement Bond Log

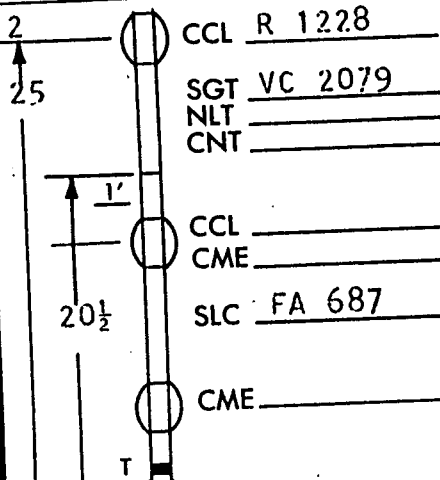
REMARKS:

Service Order Number 111277Casing Collar Memory Distance 25 ft.Radiation Log Memory Distance 20 1/2 ft.Preceding fluid Volume bbls.
Cement pumped bbls./minutePipe reciprocated during Pumping: Yes
Pipe reciprocated after plug down: Yes mi

SQUEEZE JOB DETAIL

Squeeze number	1	2
Date		
Depth interval		
Type cement		
Volume of cement		
Additive		
Retarder		
Weight of slurry		
Preceding fluid		
Breakdown pressure		
Max. pressure-stage 1		
" " " 2		

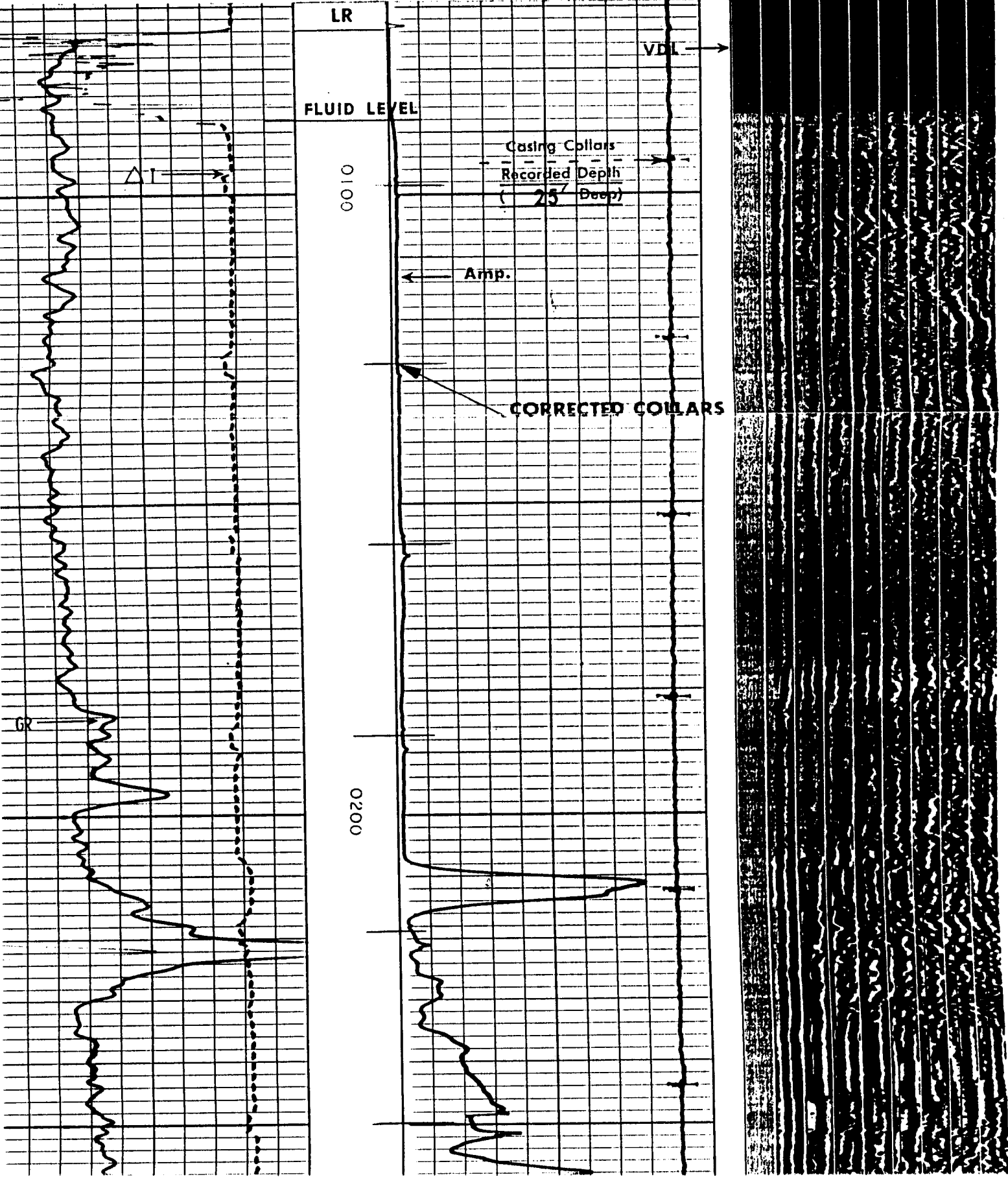
DOWNHOLE EQUIPMENT

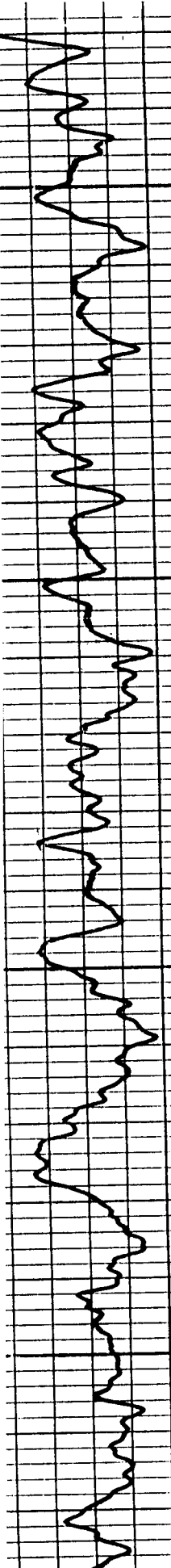
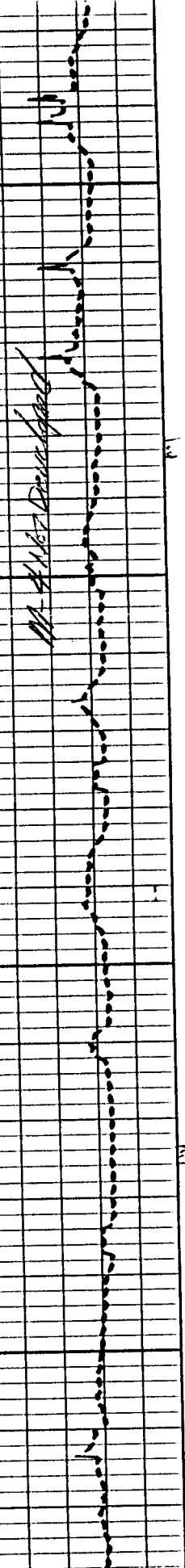
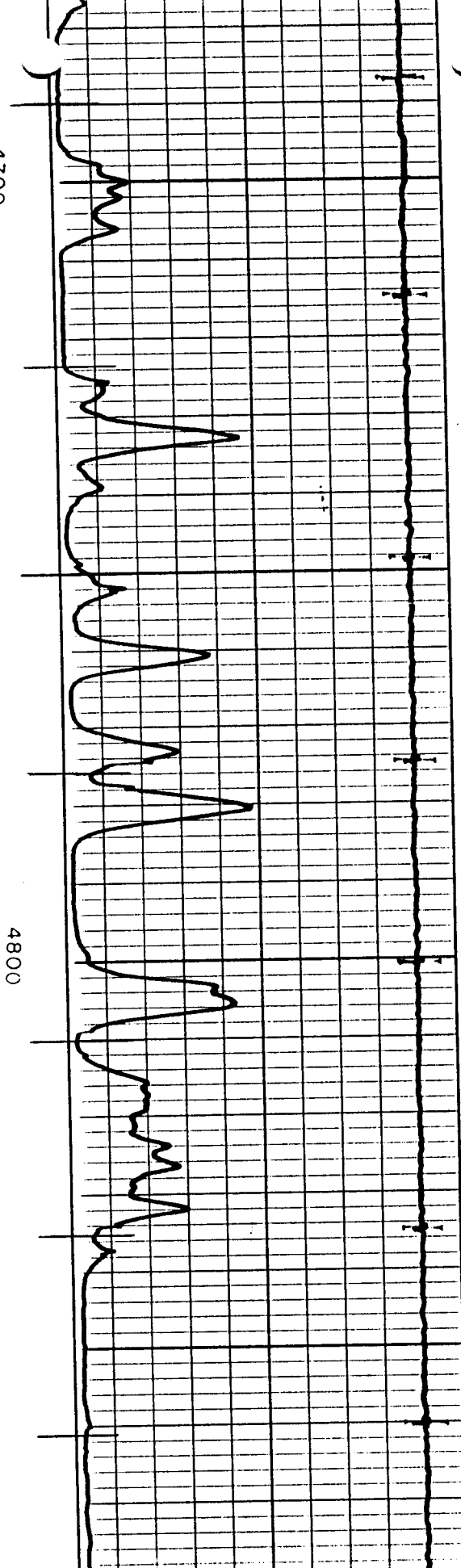
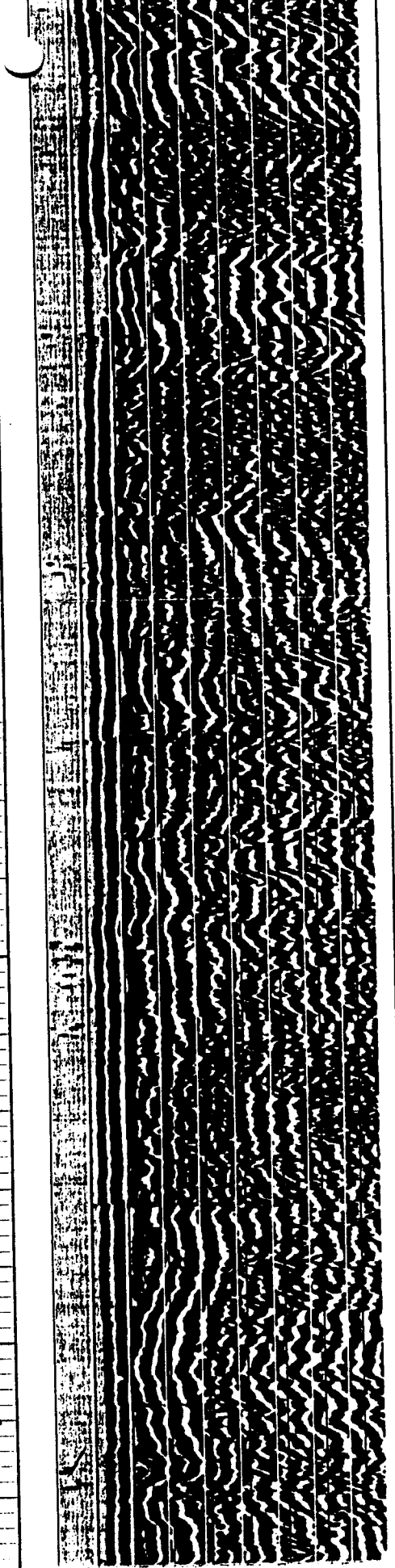


SURFACE EQUIPMENT

	TYPE
Sonic Panel	TLP
Memorizer	CNP
GNP	
CRP	
OWE	
CRP Intensity	
R9G Intensity	
Logging Speed	
Time Constant	
Sweep Time	μ-sec
Amplitude	mv/cm

GAMMA RAY API UNITS	
100	
200	
00	







WIRELINE SERVICES
GEARHART-OWEN

Gamma-Ray Bond Log

FILE NO.

COMPANY BELCO PETROLEUM CORP.

WELL DUCK CREEK 15-16 GR

FIELD DUCK CREEK

COUNTY UINTAH STATE UTAH

LOCATION:

1970' FWL, 465' FSL

SEC. 16 TWP. 9S RGE. 20E

OTHER SERVICES:
PERF.

MEASUREMENT DATUM: G.L. ELEV. 4858

LOG MEASURED FROM K.B. 12 FT. ABOVE PERM. DATUM

MEASURED FROM K.B.

ELEV. K.B. 4870
D.F. 4869
G.L. 4858

DATE 5-7-80

LOG TYPE ONE

LOG TYPE GR-CBL

LOG TYPE 5090

LOG TYPE 5036

LOG TYPE 5032

LOG TYPE 1800

LOG TYPE CONISATE

LOG TYPE

LOG TYPE

LOG TYPE MCCARLEY

LOG TYPE MR. HARMON

Tubing-Liner Record

Casing Record

Size Wgt. From To

Tubing

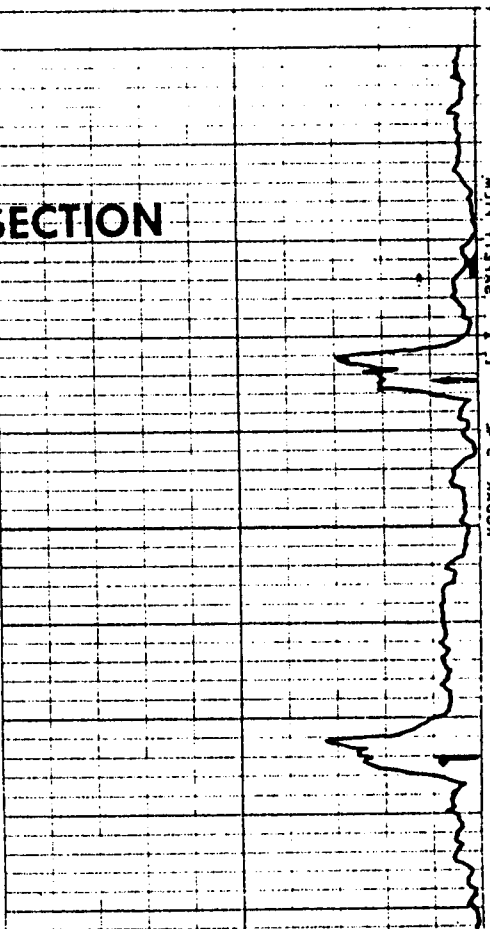
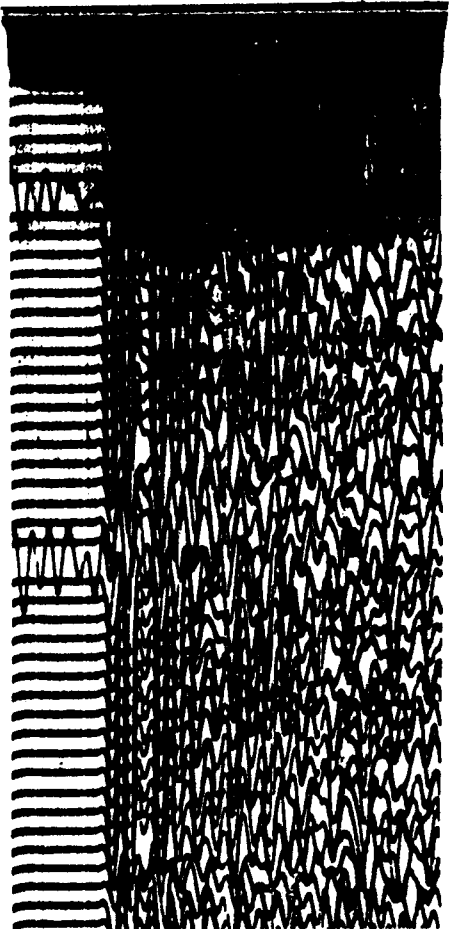
2 7/8 SURFACE 4800

Size Wgt. From To

5 3/4 11.6 SURFACE

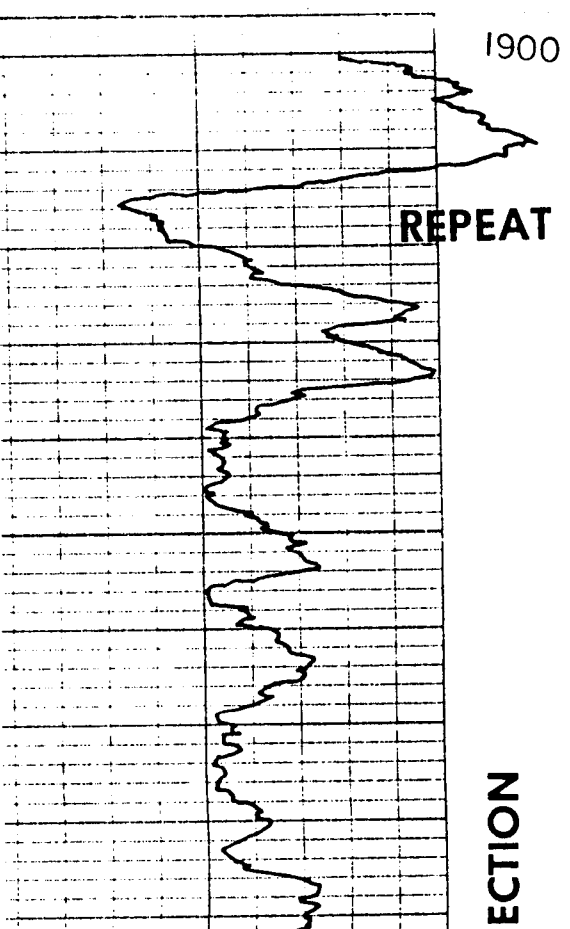
T.D.

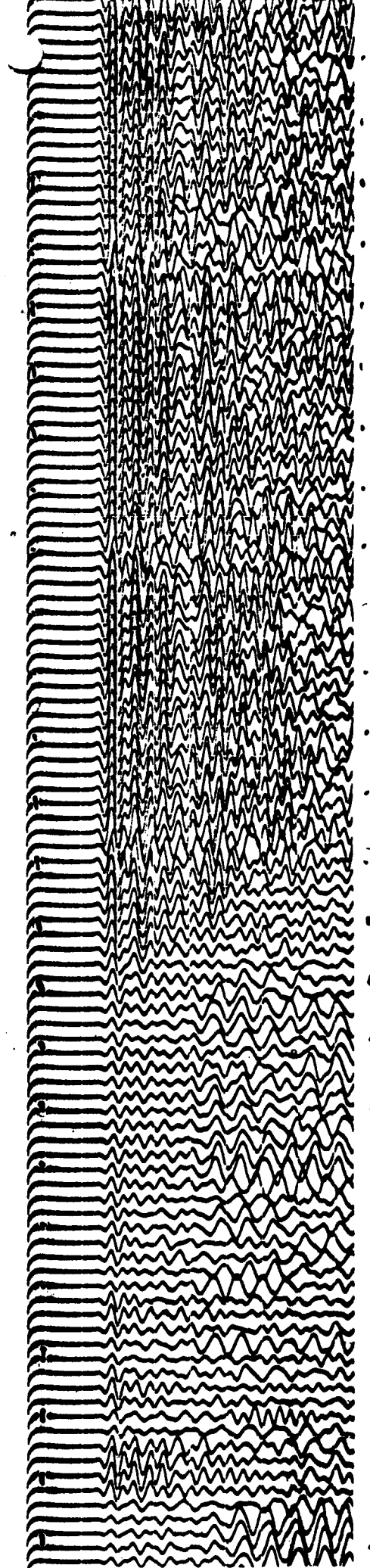
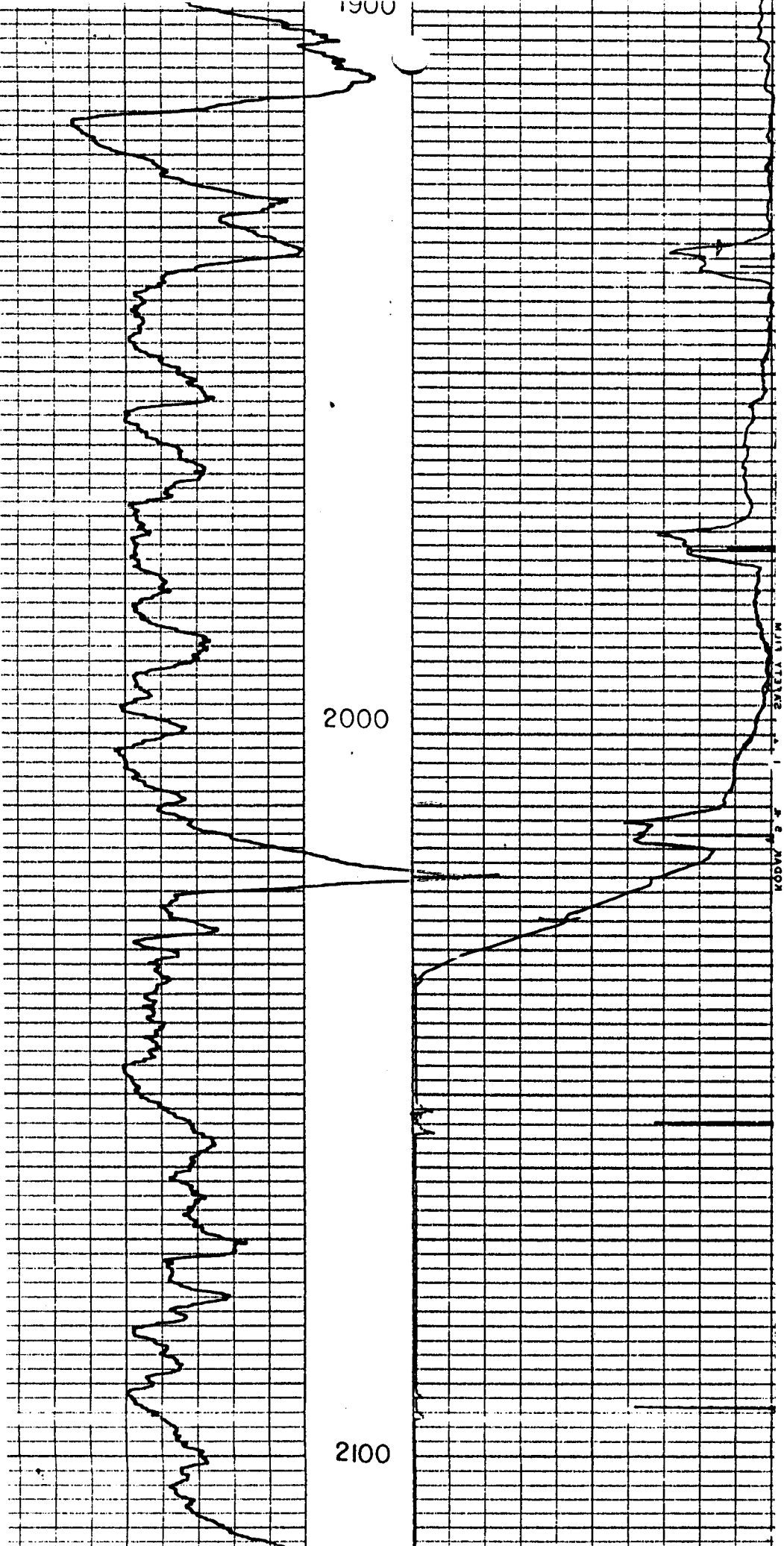
Liner



REPEAT SECTION

NOIIC3E



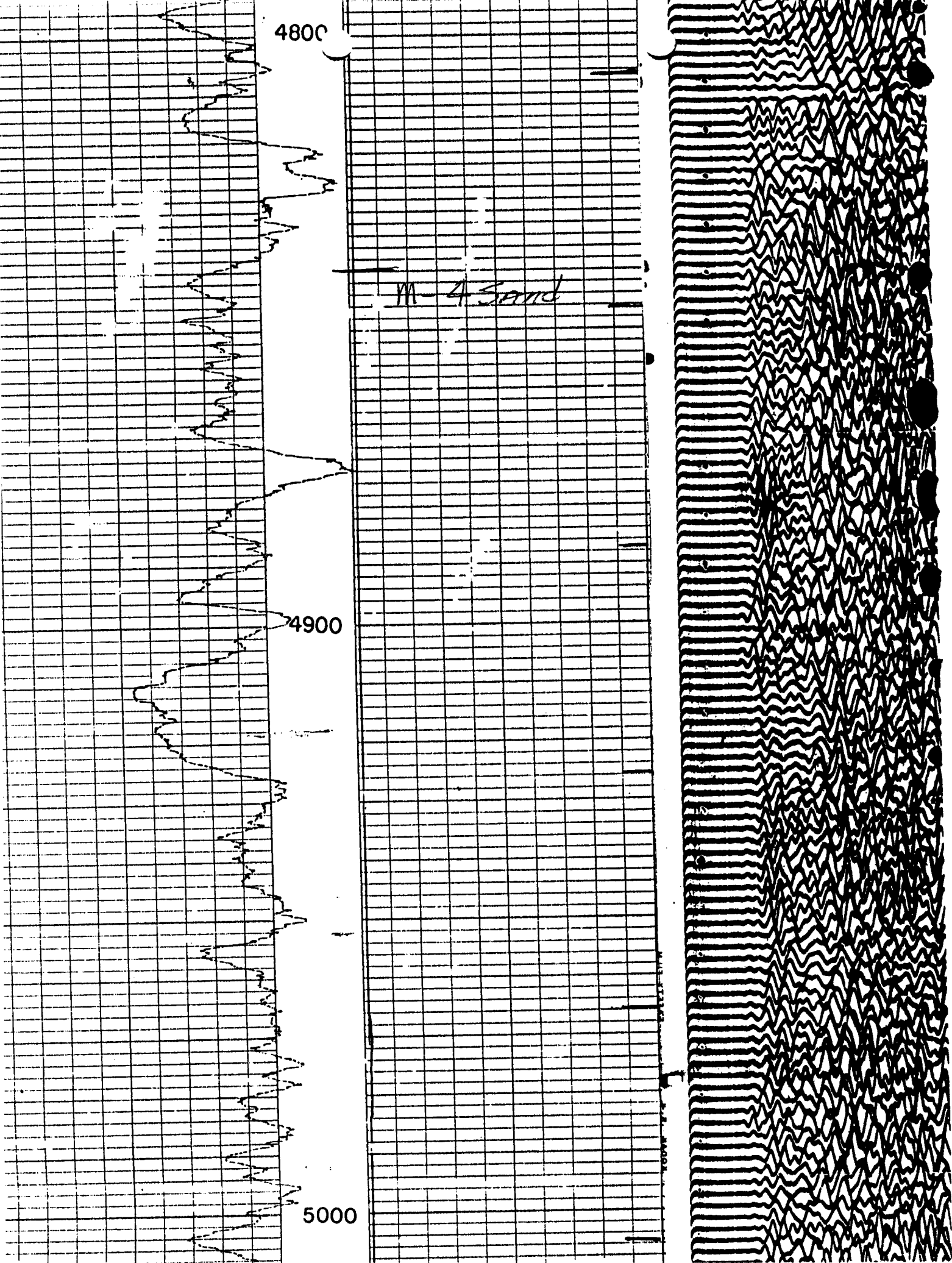


4800

M-4 Sand

4900

5000



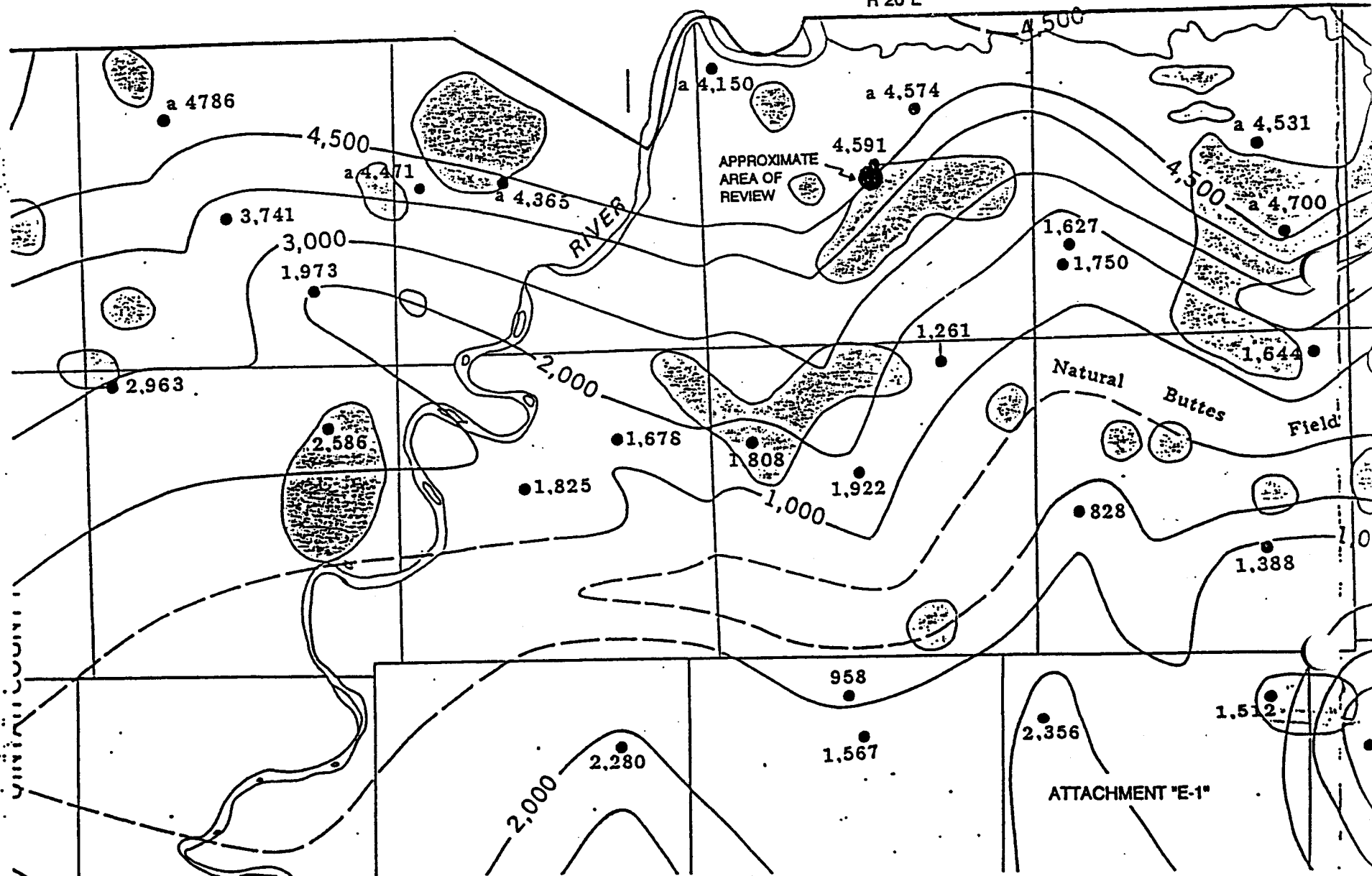
ATTACHMENT "E"

NAME & DEPTH OF USDW'S

No apparent USDW'S are present in the area of review. Technical Publication No. 92 by the State of Utah Department of Natural Resources entitled the "Base of Moderately Saline Ground Water in the Uintah Basin, Utah", was extremely useful in determining the absence of any USDW's in the area of review. Attachment "E-1" shows the elevation of the base of moderately saline ($\leq 10,000$ ppm) ground water in the area of review is above +4574' subsea. The average ground elevation in the area of review is +4850'. Therefore, the expected base of the moderately saline ground water is above 276' measured depth in the well bores. Surface casing on all wells in the area of review was set to 190-213'. In order to verify the high salinity, the resistivity ratio method was used to calculate an apparent water resistivity in the sands in the Uintah formation. The results of this evaluation (Attachment "E-2") indicates TDS readings of 68,000 to 125,000 ppm. In addition, no apparent USDW's were found in the underlying Green River formation. Both of these findings were supported by the text of the previously mentioned technical publications as shown on attachment "E-3".

T
9
S

R 20 E



ATTACHMENT "E-2"

<u>WELL</u>	<u>KB</u>	<u>ESTIMATED BASE OF MSGW*</u>	<u>DEPTH IN WELLBORE</u>	<u>SURFACE CASING</u>	<u>DEPTH SAND(S)</u>	<u>BHT</u>	<u>R_{mf}</u>	<u>R_{so} R_f</u>	<u>R_w</u>	<u>TDS</u>
#2-15GR	4882	4574 or higher	308'	190'	230' 308'	64° 65°	.048 .047	⁴ / ₆ ^{5.9} / ₁₀	.072 .080	125,000 105,000
#5-15GR	4838	4574	264'	206'	298'	65°	.051	¹² / ₂₀	.085	95,000
#6-15GR	4808	4574	234'	192'	256'	64°	.073	⁸ / ₁₂	.110	72,000
#14-16GR	4881	4574	307'	209'	307'	65°	.052	¹⁰ / ₁₆	.083	100,000
#1-22-9-20GR*	4905	4574	331'	213'	287'	65°	.082	²⁰ / ₂₉	.119	68,000

- * This well has an SP curve. There appears to be positive deflection of the SP curve (to the right), indicating that the mud filtrate is saltier than the formation water, which is the case. Also, the R_w calculated from the SP method agrees with the R_w calculated from the resistivity ratio method. There are no other zones in the Uintah or Upper Green River that exhibit significant SP deflection.

intervals may have a total thickness, including both permeable and intervening relatively impermeable beds, of as much as several hundred feet.

The Duchesne River Formation apparently contains mostly fresh water. Of 63 analyses, only 4 in U(C-1-2)28 indicated saline to briny water of sodium chloride type, and only 1 indicated slightly to moderately saline water of sodium sulfate type water. Thirty-two analyses were of calcium magnesium bicarbonate carbonate water; 7, calcium magnesium sulfate water; and 17, sodium bicarbonate water. The information available was insufficient to determine areal or vertical distribution of water types.

Much of the Uinta Formation contains fresh to moderately saline water except within the area underlain by the mounds of very saline to briny water (pls. 1 and 2). Within those areas, the Uinta Formation generally contains fresh to moderately saline water where it is within 3,000 to 5,000 feet of the land surface except over the highest parts of the mounds. About one-third of the analyses were of sodium bicarbonate type water, about one-fifth each were calcium magnesium bicarbonate, calcium magnesium sulfate, and sodium sulfate type water; the rest of the analyses indicated sodium chloride type water. Again, no areal or vertical pattern of distribution of water types was discerned except that the greater the depth of the interval sampled, the greater the probability that the water is of sodium chloride type, that between Myton and Bluebell the water is of calcium magnesium sulfate type, and that in two areas very saline to briny water seemed to occur in northwest to southeast linear or slightly arcuate trends at a shallower depth (900 to 4,000 feet) than elsewhere. These trends, which are sub-parallel to major fracture systems in the basin, run from approximately U(C-3-6)12 through U(C-4-5)14 to U(C-5-4)13 and (D-5-20)13 through (D-6-21)27 toward (D-7-22)14. In the first of these trends, the water is of sodium bicarbonate type to the northwest and sodium chloride type to the southeast, whereas in the second trend all the water is of sodium chloride type.

Where the Green River Formation is within 3,000 feet of the land surface, most of the water is fresh to moderately saline except where the saline facies still contains undissolved evaporite minerals. Within the area underlain by the large mound shown on plate 1 and the northern part of plate 2, the formation contains very saline to briny water to its top. In the area underlain by the large southern mound, shown on plate 2, the Green River Formation commonly is exposed at land surface and contains very saline to briny water to within less than 1,000 feet of land surface only where the crest of the mound is above an altitude of 5,000 feet. Sodium bicarbonate type water is widely distributed, whereas sodium sulfate type water has been reported from only a few areas, all less than 3,000 feet in depth. More than one-third of the analyses of sodium sulfate type water are from springs. Calcium magnesium bicarbonate type water has been reported from a few sites, about one-half of them springs. Calcium magnesium sulfate type water also has been reported from a few places, almost all of them springs. No sodium chloride type water was found above a depth of 2,300 feet (it was found at that depth in U(C-3-5)). This type of water generally is at depths of 6,000 to 10,000 feet in the greater Altamont-Bluebell field and from a depth of almost 8,000 feet in (D-5-20), about 10 miles southwest of Vernal, to about 3,600 feet in the eastern part of the Red Wash field (D-7-24).

ATTACHMENT "G"

The Tertiary Green River "M-4" sand, the injection zone, averages 9.4' in thickness and is found at an average depth of 4810' in the area of the Duck Creek Green River Unit located in sections 15, 16, 21 and 22 Township 9S, Range 20E, Uintah County, Utah. The "M-4" sand is a light gray, medium to fine grained, poorly sorted sandstone. The "M-4" is overlain by a 40' thick shale and underlain by a thick sequence of interbedded shales and sandstone. Attachment "G-1" is a copy of the 9-15 Density-Neutron log across the "M-4" sand.

No data is available on the confining zones fracture pressure, so the fracture pressure of the "M-4" sand was determined from the ISIP after a frac job on the Natural Duck #2-15 GR. The ISIP of 2250 psig (Attachment "G-2") results in a gradient of .90 psi/ft. which is consistent with Lomax's operations at the Monument Butte Unit, located in T8S-R16E. It should be noted that there are not any identifiable USDW's in the area of review. Based on this information, Berry Ventures, Inc., hereby requests that the maximum surface injection pressure be 1790-PSI which is below the calculated fracture pressure and the same as the pressure authorized for the two previously permitted injection wells. Attachment "G-3" is a produced water analysis from the "M-4" sand in the Natural Duck #1-15, located in the NE SW 15-9S-20E.

GR - CNL - FDC

ATTACHMENT "G"

ND 11-21 GR

KB 4891

95/8" @ 197 KB 4/2005X

8 3/4" Hole

837-990

PARAMETERS

NAME UNIT VALUE

NAME UNIT VALUE

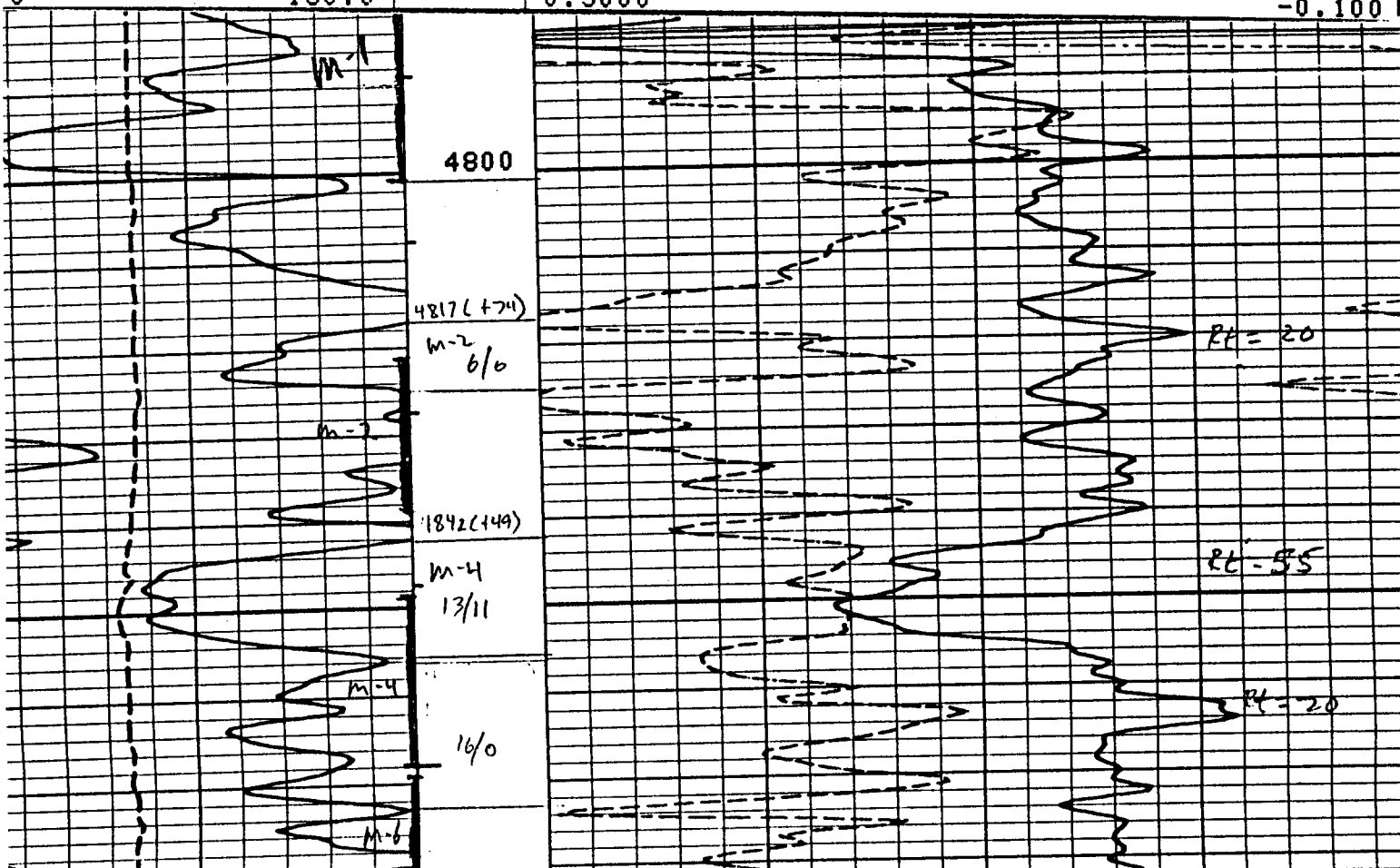
NAME UNIT VALUE

HC
MDEN G/C3 CALI
BHF WATE
FNUM 0.6200
DO 0.0

PSNR 2.248
FD G/C3 1.000
FEXP 2.150
BHS OPEN

BS INCH 8.750
MATR SAND
FPHI PHIX

GR (GAPI)		NPHI()	
50.0 300.0		0.7000 0.3000	
CALI(IN)		DPHI()	
000 16.00		0.3000 -0.100	
GR (GAPI)		NPHI()	
0 150.0		0.3000 -0.100	

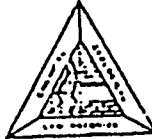


ATTACHMENT "G-2"

- 7/24/79 Rigged up and ran 4 3/4" bit & csg scraper to 4000' on 2 7/8" Hauled 2 tanks to location.
AFE (completion) \$370,000
Cost to date \$186,211
- 7/25/79 Finish TIH w/bit, csg scraper & 2 7/8" tbg from 4000' to 5012'. Displaced hole w/1/3 cond, 2/3 #2 diesel mixture. POH w/tbg. SDFN
Cost to date \$187,515
- 7/26/79 GO Int ran cement bond logging tool to 4986'. Pressured up to 1000 PSI on csg & logged out of hole. Good bonding from 4986 to top of cement @ 2240'. Press tested csg to 3000' & and held for 15 min, OK. Correlated bond log w/Density Neutron, good correlation. Ran perf gun 4 1/2" down hole & shot 6 hole (1/4") from 4830' to 4833' and 10 holes from 4837-4842' w/19 gram DML charges, 1 misfire. POH & ran Otis 5 1/2" MHF pkr and 20 jts. SDFN.
AFE (completion) \$370,000
Cost to date \$198,769
- 7/27/79 No tbg or csg press. TIH tbg & pkr. Set pkr @ 4792'. Set 15,000# on pkr. Swabbed 27 BBLS cond/diesel, hole was dry. Waited one hr and swabbed 1 BBL fluid, caught a sample. Waited 1 1/2 hrs and swabbed 1 1/2 BBLS fluid. In 1 hr swabbed 1/2 BBL. Waited 1 hr, swabbed 1/2 BBL. SDFN. Caught fluid sample. At 7:30 this A.M. small blow, fluid level @ 2000'. Swabbed from 4600'. Flowed 15 BBLS overnight.
AFE (completion) \$370,000 Cost to date \$206,737
- 7/28/79 7:30 A.M. light gas blow. 15 BBLS in 13 hrs. Tagged fluid @ 2000', pulled from 4600'. 8 swab runs in 6 1/2 hrs. 12 BBLS rec. BS&W 4-8%, BS 4-1%
Released pkr, reset @ 4666'. Bottom of tail pipe @ 4697'. HOWCO assembled flow lines & equip, ready to frac @ 4:20 PM. Tested flow lines, repaired 1 small leak & started frac @ 4:37 P.M. Pumped 22,850 gal fluid (1/3 cond, 2/3 diesel, 2 gal/1000 gal Hy-Flo III, 20#/1000 gal Adomite Aqua & 5 gal/1000 gal FR-5). Had to use FR-5 to reduce friction press. FR-5 allowed increase of 5 BPM. 12,000# 20/40 sand & 4000# 10/20 sand in 2 stages. Frac perf 4830-4842', 16 holes Pumped 2500 gals pad
2000 gals 1/2" 20/40 sand (1000);
2000 gals 1" 20/40 sand (2000)
2000 gals 1 1/2" 20/40 sand (3000)
2000 gals 1" 10/20 sand (1000)
Dropped 6 balls, repeated above then flushed w/1850 gals. ISIP-2250, 5 min SIP-1810, 10 min SIP-1710, 15 min SIP-1620 20 min SIP-1550. Avg rate 15 BPM, avg PSI 4000, Avg HP 1471. Max rate 19 BPM, Max PSI 4220, total sand 16,000#, total fluid 22,850 gals, total BBLS 544. Let press on tbg drop to 600 PSI (7 hrs). Opened to tank & died after producing one ft into tank, 20 BBLS in 1 hr. This A.M. tagged fluid surface, 1 swab run from 2500'. Well started to 60 BBLS in 1 1/2 hrs on 48/64 choke. TP-60, 80 BBLS rec.
AFE (completion) \$370,000
Cost to date \$218,852

ATTACHMENT "G-3"

21 (REV. 1969)



CHEM LAB

WATER ANALYSIS EXCHANGE REPORT

MEMBER Belco Petroleum Co.
 OPERATOR Belco Petroleum Co.
 WELL NO. Natural Duck 1-15
 FIELD _____
 COUNTY Uintah
 STATE Utah

LAB NO. 28345 REPORT NO. _____
 LOCATION Sec. 15-9S-20E
 FORMATION Green River
 INTERVAL _____
 SAMPLE FROM Produced water
 DATE August 18, 1971

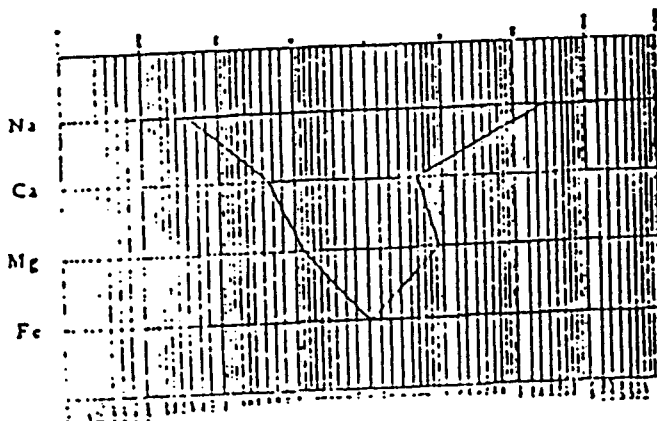
REMARKS & CONCLUSIONS: _____

Cations	mg/l	meq/l	Anions	mg/l	meq/l
Sodium	6495	282.54	Sulfate	410	8.53
Potassium	AD	2.05	Chloride	10700	211.75
Lithium			Carbonate		
Calcium	464	23.15	Bicarbonate	31	5.20
Magnesium	94	7.73	Hydroxide		
Iron			Hydrogen sulfide		
Total Cations		315.47	Total Anions		315.47
Total dissolved solids, mg/l	18399		Specific resistance @ 65° F.:		
NaCl equivalent, mg/l	18194		Observed	0.37	ohm-meters
Observed pH	7.2		Calculated	0.37	ohm-meters

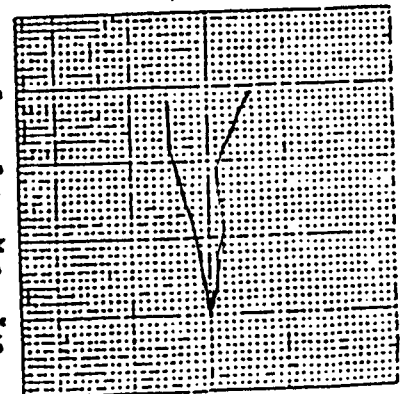
WATER ANALYSIS PATTERNS

MEQ per unit

LOGARITHMIC



STANDARD



TOTAL P.01

ATTACHMENT "H"

The proposed average injection rate into the Natural Duck 9-15 GR is 400 BWPD with a potential maximum rate of 1000 BWPD. The average daily injection pressure is estimated at 950 psig. The actual pressure required to maintain a 400 BWPD injection rate may be higher or lower. The maximum injection pressure will be limited to 1790 psig which is 460 psig less than the estimated surface parting pressure of 2250 psig and the same as the permitted injection pressure in the two previously approved injection wells.

The casing tubing annulus will be filled with a corrosion inhibited packer fluid. The proposed injection fluid will be water from the Green River H6A & H13A sand (39,664 ppm). attachment "H-1" is a water analysis of the H6A & H13A sands from the water supply well (#14-16 GR), located in the SE SE 16-9S-20E.



P.O. Box 217
Roosevelt, Utah 84066

Office (801) 722-5068
Fax (801) 722-5727

WATER ANALYSIS REPORT

COMPANY BISHOP PETROLEUM ADDRESS _____ DATE: 9-9-93
SOURCE 14-16 DATESAMPLED _____ ANALYSIS NO. _____

	Ammonia	Methylphenol	Thiol
1. PH	<u>7.8</u>		
2. H ₂ S (Qualitative)	<u>0</u>		
3. Specific Gravity	<u>1.030</u>	<u>39,664</u>	
4. Dissolved Solids			
5. Suspended Solids			
6. Anaerobic Bacterial Count	<u>CI</u>	<u>C/MI</u>	
7. Methyl Orange Alkalinity (CaCO ₃)			
8. Bicarbonate (HCO ₃)		<u>450</u>	<u>+61</u> <u>7</u> HCO ₃
9. Chlorides (Cl)		<u>20,500</u>	<u>+35.5</u> <u>578</u> C
10. Sulfates (SO ₄)		<u>3,600</u>	<u>+48</u> <u>75</u> SO ₄
11. Calcium (Ca)		<u>100</u>	<u>+20</u> <u>5</u> Ca
12. Magnesium (Mg)		<u>41</u>	<u>+12.2</u> <u>4</u> Mg
13. Total Hardness (CaCO ₃)		<u>420</u>	
14. Total Iron (Fe)		<u>1.5</u>	
15. Barium (Qualitative)			
16. Phosphate Residuals			

*All requirements per NSF

PROBABLE MINERAL COMPOSITION

Compound	Eqw. Wt.	X	Meq/l	Mg/l
Ca (HCO ₃) ₂	81.04		<u>5</u>	<u>405</u>
Ca SO ₄	68.07			
Ca Cl ₂	146.58			
Mg (HCO ₃) ₂	73.17		<u>2</u>	<u>146</u>
Mg SO ₄	60.19		<u>2</u>	<u>120</u>
Mg Cl ₂	47.32			
Na HCO ₃	84.06			
Na ₂ SO ₄	71.03		<u>73</u>	<u>5153</u>
Na Cl	58.44		<u>578</u>	<u>33,790</u>

5	Ca	←	HCO ₃	7
4	Mg	←	SO ₄	75
652	Na	←	Cl	578

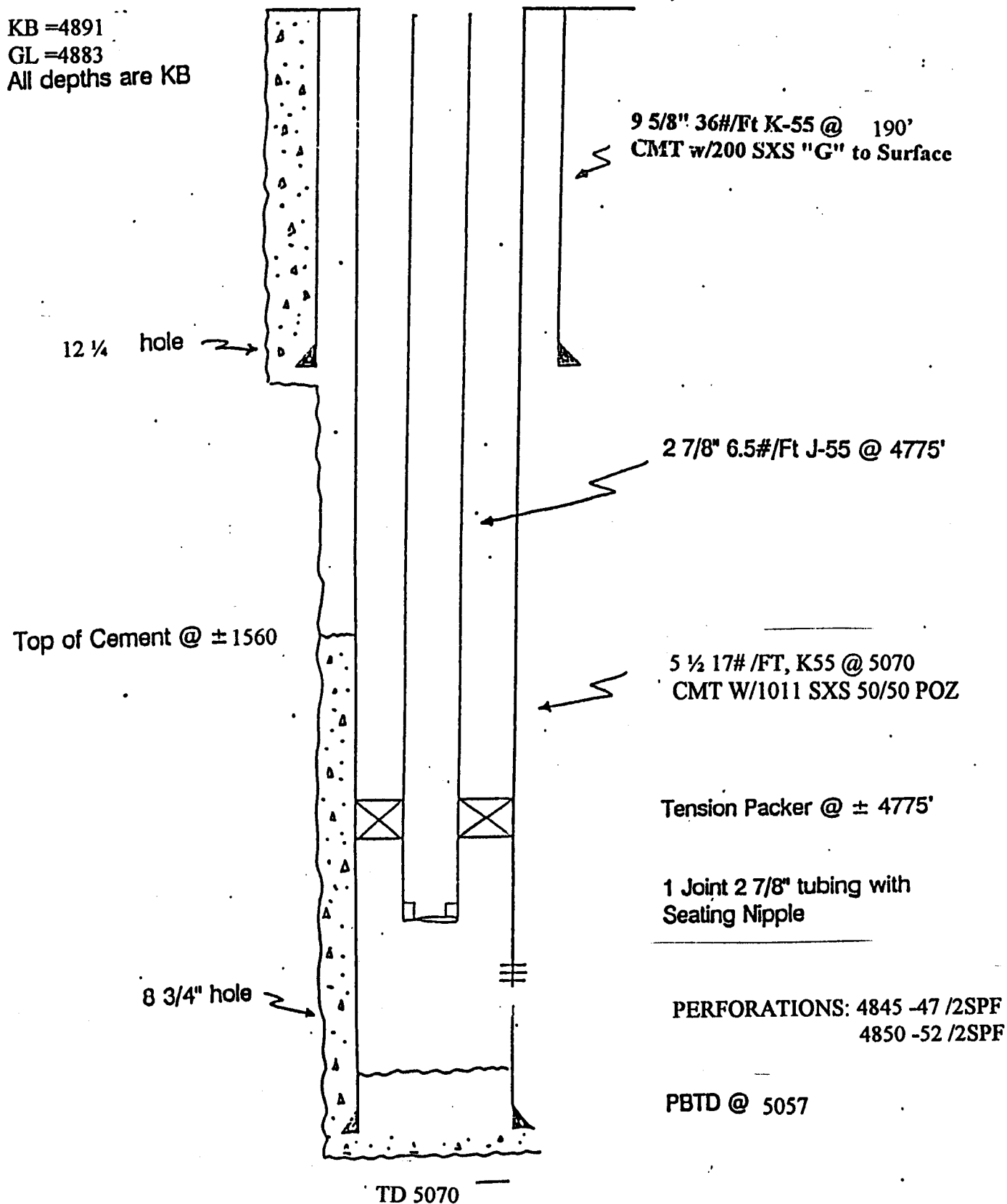
Saturation Values	Distilled Water 20°C
Ca CO ₃	13 Mg/l
Ca SO ₄ · 2H ₂ O	2000 Mg/l
Mg CO ₃	103 Mg/l

REMARKS _____

ATTACHMENT "M"

WELLBORE DIAGRAM
NATURAL DUCK # 11-21
542' FNL, 1976' FWL
NENW 21, T9S, R20E
UINTAH COUNTY, UTAH

KB = 4891
GL = 4883
All depths are KB





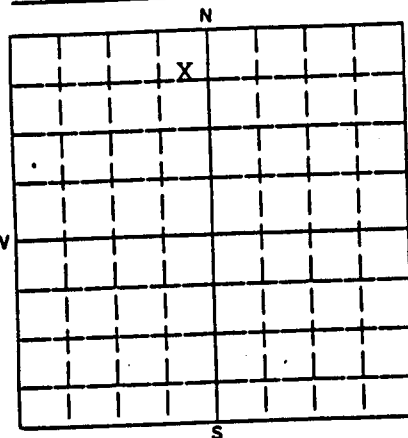
PLUGGING AND ABANDONMENT PLAN

NAME AND ADDRESS OF FACILITY

Natural Duck 11-21 NENW 21, T9S, R20E
Duck Creek Green River Unit
Uintah, Co. Utah

NAME AND ADDRESS OF OWNER, OPERATOR

Berry Ventures, Inc.
5764 Fig Way, Suite B-1
Arvada, CO 80002

LOCATE WELL AND OUTLINE UNIT ON
SECTION PLAT — 640 ACRES

STATE

COUNTY

Utah

Uintah

PERMIT NUMBER

SURFACE LOCATION DESCRIPTION

1/4 OF NE 1/4 OF NW 1/4 SECTION 21 TOWNSHIP 06 RANGE 20E

LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT

Surface Location 542 ft. from (N) Line of quarter section
and 1976 ft. from (W) Line of quarter section

TYPE OF AUTHORIZATION

- ☒ Individual Permit
☒ Area Permit
☐ Rul.

Number of Wells 1

Lease Name U-73322

WELL ACTIVITY

- ☐ CLASS I
☒ CLASS II
☒ Brine Disposal
☐ Enhanced Recovery
☐ Hydrocarbon Storage
☐ CLASS III

Well Number Natural Duck 11-21

CASING AND TUBING RECORD AFTER PLUGGING

SIZE	WT(LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE
5/8	36#		190'	13"

METHOD OF EMPLACEMENT OF CEMENT PLUGS

- ☐ The Balance Method
☐ The Dump Bailer Method
☐ The Two-Plug Method
☒ Other Set CIBP@ 4825/2 6xs Cement on top

CEMENTING TO PLUG AND ABANDON DATA:

	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	9 5/8	
Depth to Bottom of Tubing or Drill Pipe (ft.)							
Sacks of Cement To Be Used (each plug)	2	10	10	10	32		
Slurry Volume To Be Pumped (cu. ft.)	2.3	12.6	12.6	12.6	40 ±		
Calculated Top of Plug (ft.)							
Measured Top of Plug (if tagged ft.)							
Slurry Wt. (Lb./Gal.)							
Type Cement or Other Material (Class III)	G. Cement	50/50 DZ	50/50 DZ	50/50 DZ	50/50 DZ		

LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (If any)

From	To	From	To
4845-47			
4850-52			

Estimated Cost to Plug Wells

\$7,200.00

CERTIFICATION

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

NAME AND OFFICIAL TITLE (Please type or print)

JOHN B. DUNNEWALD - AGENT FOR BERRY

SIGNATURE

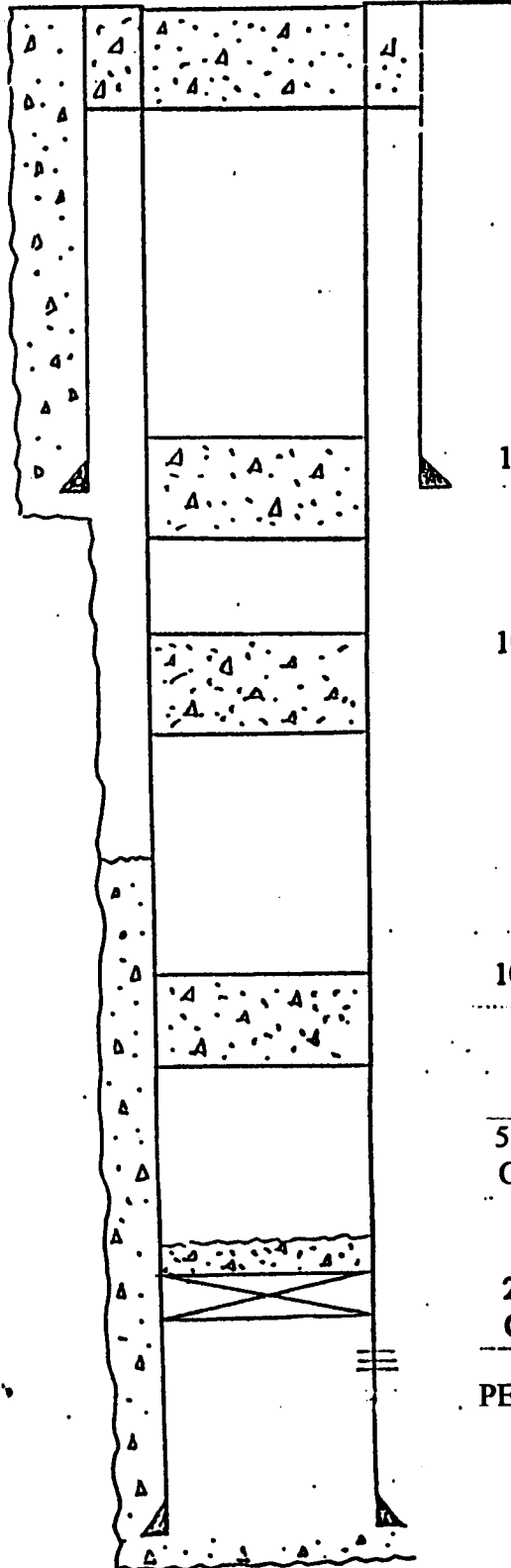
DATE SIGNED

4/28/97

ATTACHMENT "Q-1"

P & A DIAGRAM
NATURAL DUCK # 11-21
NENW 21, T9S, R20E
UINTAH COUNTY, UTAH

KB =4891
GL =4883
All depths are KB



32 sack 50/50 Poz Plug @ surface

9 5/8" 36# 1 ft K-55 @ 190'

10 sack 50/50 Poz Plug @ 150'-234'

10 sack 50/50/ Poz Plug @ 750'-844'

10 sack 50/50 Poz Plug @ 2750'-2844'

5 1/2 17# /FT, K55 @ 5070
CMT W/1011 SXS 50/50 POZ

2 sack Cement Plug @ ±
CIBP @ 4825'

PERFORATIONS: 4845 -47 /2SPF
4850 -52 /2SPF

TD 5070

ATTACHMENT "Q-2"

NATURAL DUCK # 11-21

P & A PROCEDURE

1. MIRU
2. Kill well with water
3. NU BOP
4. Unseat packer. 'TOOH w/2 7/8" tubing and packer. Lay down last 65 joints
5. Rig up wireline
6. Set CIBP @ $\pm 4815'$
7. Dump 2 sacks "G" cement on top of CIBP
8. Rig down wireline
9. TIH w/tubing to $\pm 2750'$
10. Rig up cementers
11. Spot 10 sack plug 50/50 POZ
12. Pull up to $\pm 750'$
13. Spot 10 sack plug 50/50 POZ
14. Pull up to $\pm 150'$
15. Spot 10 sack plug 50/50 POZ
16. Pull tubing to surface
17. Pump 10 sack plug 50/50 POZ
18. Open casing valve. Pump 22 sack plug down 9 5/8".
19. Rig down cementers
20. VD BOP
21. RD MO
22. Cut casing off 4' below ground level
23. Install dry hole marker
24. Restore location

ATTACHMENT "Q-3"

NATURAL DUCK # 11-21 .

P & A COSTS

Rig	\$2000
Cementing	\$2000
Wireline/BIBP	\$1000
BOP	\$ 250
Transportation	\$ 250
Welding/Labor	\$ 250
Supervision	<u>\$ 800</u>
Sub-Total	\$6550
Contingency 10%	<u>\$ 650</u>
TOTAL	\$7200

**DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM**

**PERMIT
DECISION DOCUMENT**

Applicant: Berry Ventures Inc. **Well:** Injection Well 11-21
Location: Natural Duck Unit, ^{Utah} Duchesne County

Ownership Issues: The proposed well is located in section 21, township 9 south, range 20 east, Uintah, County, Utah. The surface is owned by the Ute Indian Tribe. The minerals are owned by the Federal Government. Lands and minerals within the ½ mile radius are owned by State of Utah, the BLM and various private individuals. Berry Ventures has provided an affidavit stating that all interested parties have been notified of their intent to convert the well to injection.

Well Integrity: The well proposed for injection is the Natural Duck 5-16. The well is presently a producing abandoned well. A 9 5/8" surface casing is set at 190 feet and is cemented to surface. A 5 ½" production casing is set at 5070 feet and has a cement top at 1560 feet verified by a cement bond log. The injection interval is from 4845-4925 feet (Green River Formation). A 2 7/8" tubing will be set in a packer at 4800 feet. This construction should adequately protect all USDW's. There are 4 producing wells, 2 temporarily abandoned wells, 1 injection well, 1 and a shut in well which is proposed for injection in the ½ mile area of review. All wells in the AOR have sufficient cement behind the longstring and have adequate surface casing to prevent any migration of fluid up the hole. A casing test should be performed at the time of conversion and a casing/tubing pressure test should be performed prior to injection. A maximum pressure of 1750 psig was requested, and corresponds to the calculated fracture pressure gradient of .812 psi/ft. A step rate test should be run to determine actual fracture data.

Ground Water Protection: Tech. Pub. No. 92 places the base of moderately saline water at a depth of approximately 247 feet located in the Uinta Formation in the area of the project. None of the wells in the one-half mile area of review have surface casing set through this depth. Berry Ventures submitted calculations of water salinity for permeable zones below the surface casing. These calculations indicate that water in these zones are higher than 10,000mg/L and do not constitute USDW's. Any shallow fresh water zones will be adequately protected by existing surface casings. No corrective action is needed.

Oil/Gas & Other Mineral Resources Protection: The proposed unit area seems to be surrounded by wells of low effective porosity, net pay and/or production. Even though the M4 sand can be correlated to wells outside the unit there is probably permeability boundaries which separate them. Refer to hearing transcript for more information.

Bonding: The proposed well is located on Indian land and would be bonded by the federal government.

Page 2
Berry Ventures

Actions Taken and Further Approvals Needed: A public notice for the proposed 11-21 and 9-15 well has been sent for publication in both the Salt Lake Tribune and the Vernal Express. It is recommended that approval be given to inject into the 11-21 well. An MIT and a step rate test need to be run at the time of conversion. The packer shall be set at 4800 feet as apposed to 4775 feet as stated in the application.

DJJ
Reviewers

7-1-97
Date



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

1594 West North Temple, Suite 1210

Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

August 6, 1997

Berry Ventures Inc.
7060 S. Yale Ave., Suite 900
Tulsa, Oklahoma 74136- 5742

Re: Duck Creek 11-21 well, Section 21, Township 9 South, Range 20 East, Uintah County, Utah

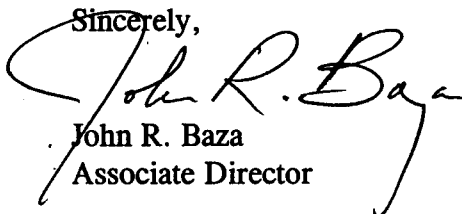
Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Berry Ventures Inc.

If you have any questions regarding this approval or the necessary requirements, please contact Dan Jarvis at this office.

Sincerely,



John R. Baza
Associate Director

cc: Dan Jackson, Environmental Protection Agency
Bureau of Land Management, Vernal
John B. Dunnewald, Bishop Petroleum



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

UNDERGROUND INJECTION CONTROL PERMIT

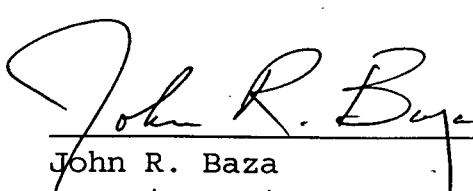
Cause No. UIC-192

Operator: Berry Ventures Inc.
Well: Duck Creek 11-21
Location: Section 21, Township 9 South, Range 21 East,
County: Uintah
API No.: 43-047-30770
Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on August 6, 1997
2. Maximum Allowable Injection Pressure: 1750 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: 4845 feet to 4925 feet (Green River Formation)

Approved by:


John R. Baza
Associate Director

8/6/97
Date



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
James W. Carter
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1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801
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UNDERGROUND INJECTION CONTROL PERMIT

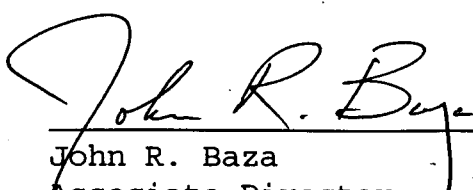
Cause No. UIC-192

Operator: Berry Ventures Inc.
Well: Duck Creek 11-21
Location: Section 21, Township 9 South, Range 21 East,
County: Uintah
API No.: 43-047-30770
Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

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2. Maximum Allowable Injection Pressure: 1750 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: 4845 feet to 4925 feet (Green River Formation)

Approved by:


John R. Baza
Associate Director

8/6/97

Date



5764 FIG WAY
SUITE B-1
ARVADA, COLORADO 80002
OFFICE (303) 421-6300
FAX (303) 420-6520

September 19, 1997

United States Environmental Protection Agency
Attn.: Mr. Emmett Schmitz Mail Code 8P2-W-GW
999 18th St. Suite 500
Denver, Colorado 80202-2466

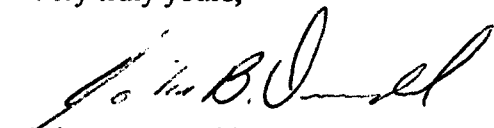
RE: Natural Duck 11-21GR
Pore Pressure

Gentlemen,

During the course of recompleting the 11-21 well as a water injection well for the Duck Creek Unit, a static fluid column of 3016 feet was measured. The fluid column was then swabbed out of the well and found to be 73% oil and 27% water. Based on a water density of .45 LB/ft. and an oil density of .37 lb./ft., it is possible to compute a "Pore Pressure" for this well of 1181 PSI.

If anything further is needed on this, please advise.

Very truly yours,


John Dunnewald
Agent for Berry Ventures

6. Lease Designation and Serial Number

UTU - 72689A

7. Indian Allottee or Tribe Name

Ute Tribal Surface

8. Unit or Communitization Agreement

Duck Creek Green River

9. Well Name and Number

Natural Duck Creek 11-21

10. API Well Number

A3-047- 30770

11. Field and Pool, or Wildcat

Duck Creek

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.

Use APPLICATION FOR PERMIT for such proposals

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other (specify)

2. Name of Operator

Berry Ventures, Inc.

3. Address of Operator

7060 S. Yale Ave., Suite 900, Tulsa, OK 74136

4. Telephone Number

918-492-1140

5. Location of Well

Footage :
QQ, Sec. T., R., M. : NE 1/4NW 1/4 Sec. 21 T95, R20E

County : Uintah
State : UTAH

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other | |

Approximate Date Work Will Start

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|---|---|
| <input type="checkbox"/> Abandonment * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input checked="" type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other | |

Date of Work Completion September 20, 1997

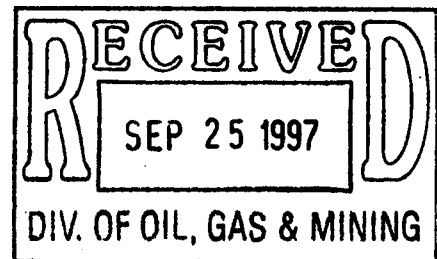
Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Perforate & frac "M-7" Green River Sand @ 4916 - 21(4SPF) W/176 Bbls. treated Water, 10,200# 20/40 sand and 8000# 16/30 sand. set injection packer and rig up to commence water injection into "M-7" & "M-4" sands.

1st injection 9/20/97



14. I hereby certify that the foregoing is true and correct

Name & Signature

JOHN B. DUNNEWALD

Agent for

Title Berry Ventures, Inc. Date 9/22/97

(State Use Only)

*for 9-20-97
WTC
12-23-98
RJK



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Vernal District Office
170 South 500 East
Vernal, Utah 84078



Phone (801) 789-1362

FAX (801) 789-3634

MECHANICAL INTEGRITY PRESSURE TEST CASING/TUBING ANNULUS

Lease No. UTU-73311

Company Name: Berry Ventures Inc

Date: 9/20/97

Well Name: NATURAL DUCK II-21

Permit No. _____

Field Name: DUCK CREEK

County: UINTAH

Well Location: NEW

Sec 21

T 9 S

R 20 E

Well Type: SWD

ER ✓

2H

Other: _____

Type of Packer: ARROW SET 1 (Production)

Total Depth: 4763

Packer Set at (depth): 4763

FT

Surface Casing Size: 9 5/8 36"

From: 61

FT to

190

FT

Casing Size: 6 1/2 17"

From: 0

FT to

5070

FT

Tubing Size: 2 7/8

Tubing Pressure during Test: 0

psig

Time of Day: 08:10

am/pm

Fluid in Annulus: water w/ diesel freeze blanket

Test #1

Test #2

0 Min:

1450

psig

psig

5

1450

psig

psig

10

1450

psig

psig

15

1450

psig

psig

20

1450

psig

psig

25

1550*

psig

psig

30

1550*

psig

psig

35

psig

psig

40

psig

psig

45

* fluid blanket

psig/boiler union isolated but

psig

50

not up to spec at

psig pressure gauge

psig

55

psig

psig

60

psig

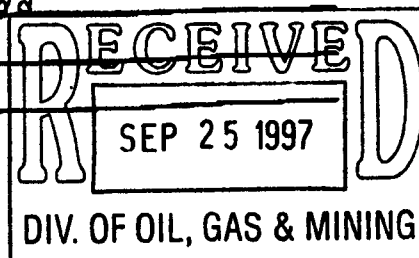
psig

Test Conducted by: Paul # 829

Craig Todd

Inspected by: R. Arnold B.L.M.

Others Present: _____



STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

Well name and number: <u>Natural Duck 11-21GR</u>	
Field or Unit name: <u>Duck Creek Green River Unit</u>	API no. <u>43-047-30770</u>
Well location: QQ <u>NENW</u> section <u>21</u> township <u>9S</u> range <u>20E</u> county <u>Uintah</u>	
Effective Date of Transfer: <u>2/1/2000</u>	
CURRENT OPERATOR	
Transfer approved by:	
Name <u>John B. Dunnewald</u>	Company <u>Berry Ventures, Inc.</u>
Signature <u>[Signature]</u>	Address <u>5764 Fig Way, Suite B-1</u>
Title <u>Agent</u>	<u>Arvada, CO 80002</u>
Date _____	Phone (<u>303</u>) <u>421-6300</u>
Comments:	
NEW OPERATOR	
Transfer approved by:	
Name <u>Rene Morin</u>	Company <u>RIM Operating, Inc.</u>
Signature <u>[Signature]</u>	Address <u>5 Inverness Drive East</u>
Title <u>Vice President</u>	<u>Englewood, CO 80112</u>
Date _____	Phone () _____
Comments:	
(State use only)	
Transfer approved by <u>[Signature]</u>	Title <u>Field Services Manager</u>
Approval Date <u>6-7-00</u>	RECEIVED

FEB 10 2000

DIVISION OF
OIL, GAS AND MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

5. Lease Serial No.

U-73322

6. If Indian, Allottee or Tribe Name

Ute Tribal Surface

7. If Unit or CA/Agreement, Name and/or No.

UTU-72689A

Duck Creek Green River Fm.

8. Well Name and No.

Natural Duck 11-21GR

9. API Well No.

43-047-30770

10. Field and Pool, or Exploratory Area

Duck Creek

11. County or Parish, State

Uintah County, Utah

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other Injection

2. Name of Operator

RIM Operating, Inc., as agent for RIM Offshore, Inc.

3a. Address

5 Inverness Dr. E., Englewood, CO 80112

3b. Phone No. (include area code)

(303) 799-9828

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

542' FNL & 1976' FWL, NE/4NW/4
Section 21-T9S-R20E

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☒ Other Change of
Operator

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Please be advised that effective February 1, 2000, RIM Operating, Inc., as agent for RIM Offshore, Inc., is now considered to be the operator of the Duck Creek Green River Unit which includes the above well, and is responsible under the terms and conditions of the Lease for the operations conducted upon the leased lands. Bond coverage is provided by BLM Bond No. UT 1148, Surety No. RLB0001427.

RECEIVED

FEB 10 2000

DIVISION OF
OIL, GAS AND MINING

RIM Operating, Inc.

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Rene' Morin

Title Vice President

Signature

Date 2/3/2000

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

IN REPLY REFER TO
UT-931

February 15, 2000

RIM Operating, Inc.
5 Inverness Drive East
Englewood, Colorado 80112

Re: Duck Creek (Green River) Unit
Uintah County, Utah

Gentlemen:

On February 11, 2000, we received an indenture dated February 1, 2000, whereby Berry Ventures, Inc. resigned as Unit Operator and RIM Operating, Inc. was designated as Successor Unit Operator for the Duck Creek (Green River) Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective February 15, 2000. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Duck Creek (Green River) Unit Agreement.

Your statewide (Utah) oil and gas bond No. 1148 will be used to cover all operations within the Duck Creek (Green River) Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

bcc: Field Manager - Vernal (w/enclosure)
~~Division of Oil, Gas & Mining~~
Minerals Adjudication Group U-932
File - Duck Creek (Green River) Unit (w/enclosure)
MMS - Data Management Division
Agr. Sec. Chron
Fluid Chron

UT931:TAThompson:tt:2/15/00

RECEIVED

FEB 16 2000

DIVISION OF
OIL, GAS AND MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
U-73322

6. If Indian, Allottee, or Tribe Name
Ute Tribal Surface

SUBMIT IN TRIPLICATE – Other Instructions on page 2.

1. Type of Well
☐ Oil Well ☐ Gas Well ☒ Other Injection

7. If Unit or CA/Agreement, Name and/or No.
UTU-72689A Duck Creek Green River Unit

8. Well Name and No.
Natural Duck 11-21GR

2. Name of Operator
Finley Resources, Inc.

9. API Well No.
43-047-30770

3a. Address 1308 Lake Street
Fort Worth, TX 76102

3b. Phone No. (include area code)
817-336-1924

10. Field and Pool, or Exploratory Area
Duck Creek

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
542' FNL & 1976' FWL
NENW Sec 21-T9S-R20E

11. County or Parish, State
Uintah County, UT

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Change of Operator
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with the BLM/ BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamantion, have been completed, and the operator has determined that the site is ready for final inspection.)

Please be advised that effective January 1, 2014, Finley Resources, Inc. assumed operatorship of the referenced well. Bond coverage pursuant to 43CFR3104 for lease activities is being provided by Finley Resources, Inc. under their Federal BLM Bond No. UTB000305. They will be responsible for compliance under the lease terms and conditions.

RIM Operating, Inc., the previous operator, hereby names Finley Resources, Inc. as successor operator effective January 1, 2014.

RIM Operating, Inc.

Rene' Morin
Vice President

RECEIVED

FEB 13 2014

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct. Name (Printed Typed)

Finley Resources, Inc.

Clinton H. Koerth
VP of Land & Acquisition
02/14/2014

Signature

Date

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

APPROVED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

AUG 04 2014

DIV. OIL GAS & MINING
BY: Rachel Medema

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING

CDW

X - Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

1/1/2014

FROM: (Old Operator):

RIM Operating, Inc. N1045
 5 INVERNESS DR E
 ENGLE WOOD CO 80112

303-799-9828

TO: (New Operator):

Finley Resources, Inc. N3460
 1308 LAKE STREET
 FORT WORTH TX 76102

817-336-1924

CA No.

Unit:

Duckcreek

WELL NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List						

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 2/18/2014
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 2/18/2014
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 8/4/2014
- 4a. Is the new operator registered in the State of Utah: Business Number: 7409151-0143
- 5a. (R649-9-2) Waste Management Plan has been received on: Yes
- 5b. Inspections of LA PA state/fee well sites complete on: N/A
- 5c. Reports current for Production/Disposition & Sundries on: 6/1/2014
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM Not Yet BIA N/A
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: Not Yet
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 8/4/2014
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 8/4/2014
- Bond information entered in RBDMS on: 8/4/2014
- Fee/State wells attached to bond in RBDMS on: 8/4/2014
- Injection Projects to new operator in RBDMS on: N/A
- Receipt of Acceptance of Drilling Procedures for APD/New on: N/A
- Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on: N/A

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: UTB000305
- Indian well(s) covered by Bond Number: N/A
- 3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number RLB0011264
RLB0015635-
FCB
DT B0015636
- 3b. The **FORMER** operator has requested a release of liability from their bond on: 4/18/2014

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS:

RIM Operating, Inc. N1045 to Finley Resources, Inc. N3460 Effective 1/1/2014

Well Name	Section	TWN	RNG	API Number	Entity	Mineral Lease	Well Type	Well Status	Unit
DUCKCREEK 3-16GR	16	090S	200E	4304730476	11631	Federal	WS	A	DUCK CREEK (GRRV)
DUCKCREEK 5-16GR	16	090S	200E	4304730523	11631	Federal	WI	A	DUCK CREEK (GRRV)
DUCKCREEK 6-16GR	16	090S	200E	4304730540	11631	Federal	WI	A	DUCK CREEK (GRRV)
NATURAL DUCK 2-15	15	090S	200E	4304730555	11631	Federal	WI	A	DUCK CREEK (GRRV)
NATURAL DUCK 8-15	15	090S	200E	4304730679	11631	Federal	WI	A	DUCK CREEK (GRRV)
NATURAL DUCK 11-21	21	090S	200E	4304730770	11631	Federal	WI	A	DUCK CREEK (GRRV)
NATURAL DUCK 1-15	15	090S	200E	4304730393	11631	Federal	OW	P	DUCK CREEK (GRRV)
NATURAL DUCK 6-15	15	090S	200E	4304730647	11631	Federal	OW	P	DUCK CREEK (GRRV)
DUCKCREEK 15-16GR	16	090S	200E	4304730649	11631	Federal	OW	P	DUCK CREEK (GRRV)
DUCKCREEK 18-16GR	16	090S	200E	4304730655	5000	Federal	GW	P	
NATURAL DUCK 12-21	21	090S	200E	4304730771	11631	Federal	OW	P	DUCK CREEK (GRRV)
DUCKCREEK 26-8GR	8	090S	200E	4304730784	10734	Federal	OW	P	
NATURAL DUCK 3-15	15	090S	200E	4304730556	11631	Federal	OW	S	DUCK CREEK (GRRV)
NATURAL DUCK 4-21	21	090S	200E	4304730557	11631	Federal	OW	S	DUCK CREEK (GRRV)
DUCKCREEK 11-16GR	16	090S	200E	4304730626	11631	Federal	OW	S	DUCK CREEK (GRRV)
NATURAL DUCK 5-15	15	090S	200E	4304730646	11631	Federal	OW	S	DUCK CREEK (GRRV)
DUCKCREEK 14-16GR	16	090S	200E	4304730652	11631	State	OW	S	DUCK CREEK (GRRV)
DUCKCREEK 16-16GR	16	090S	200E	4304730653	11631	State	OW	S	DUCK CREEK (GRRV)
NATURAL DUCK 9-15	15	090S	200E	4304730680	11631	Federal	OW	S	DUCK CREEK (GRRV)
NATURAL DUCK 10-21	21	090S	200E	4304730769	11631	Federal	OW	S	DUCK CREEK (GRRV)
COGC 1-22-9-20	22	090S	200E	4304730923	11631	Federal	OW	S	DUCK CREEK (GRRV)
NBU 34Y	21	090S	200E	4304730509	11631	Federal	OW	TA	DUCK CREEK (GRRV)